

RF Test Data for Bluetooth(BDR+EDR) (Conducted Measurements)

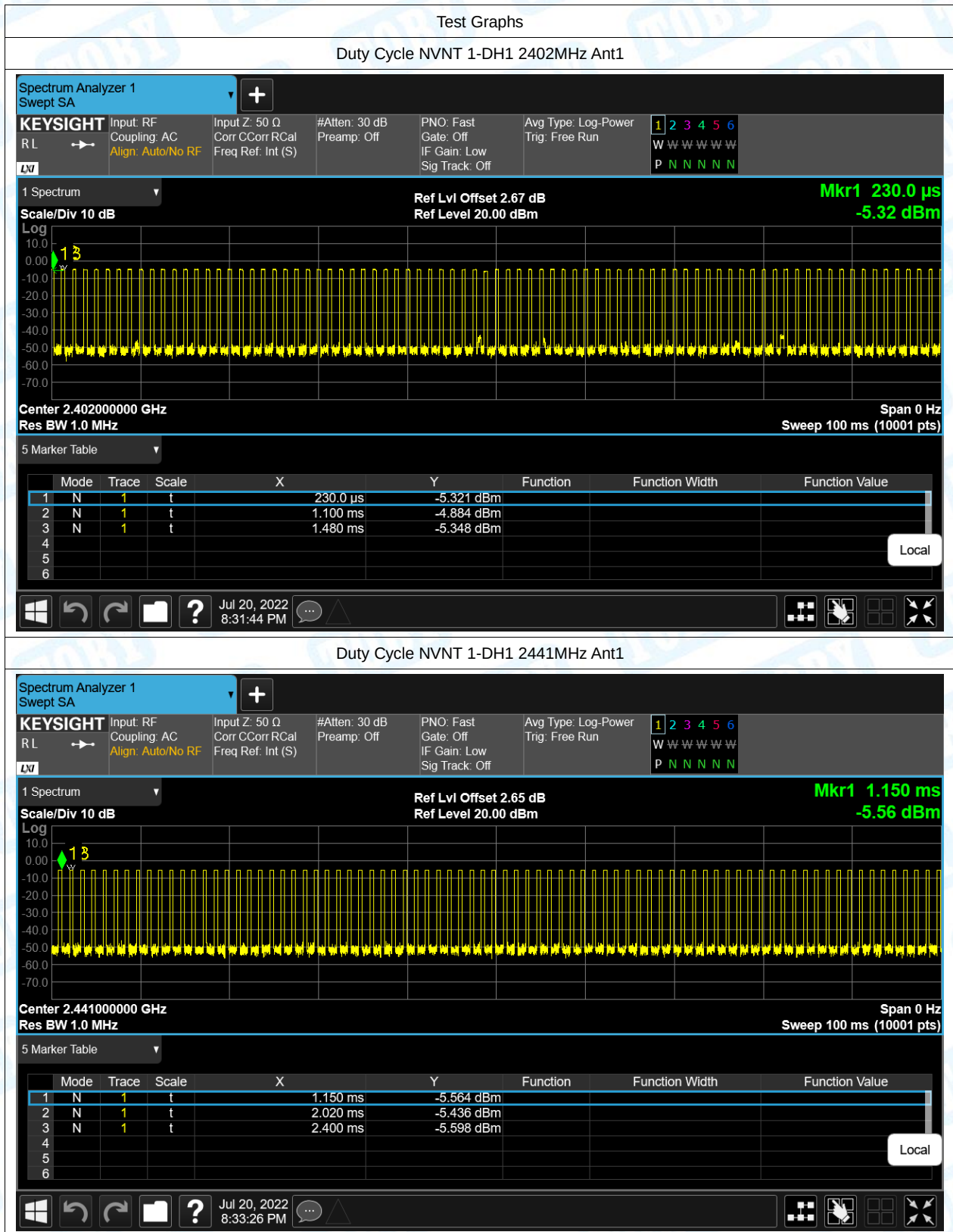
General Description of EUT	
Product Name:	Hushh Dreamseeker, Hushh+
Test Model:	4001360
Sample ID:	202204-0402-01-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202204-0402-231	

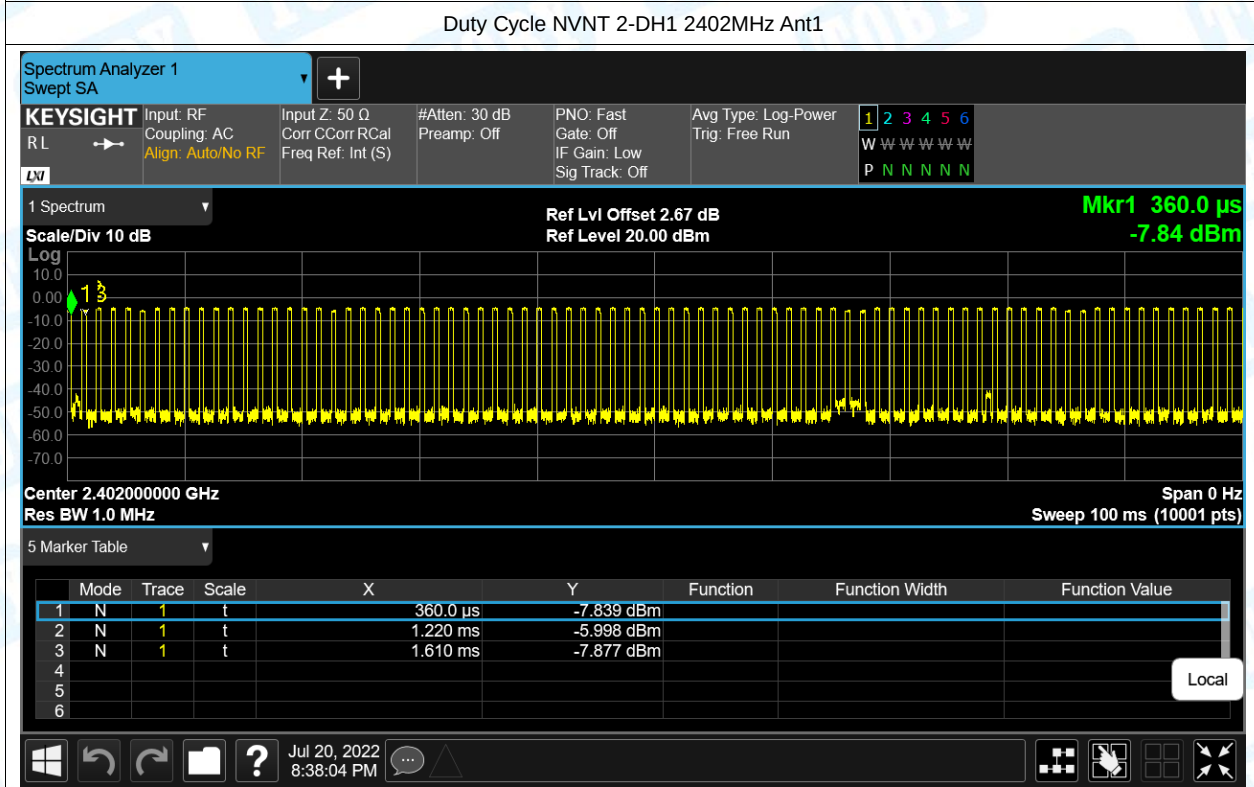
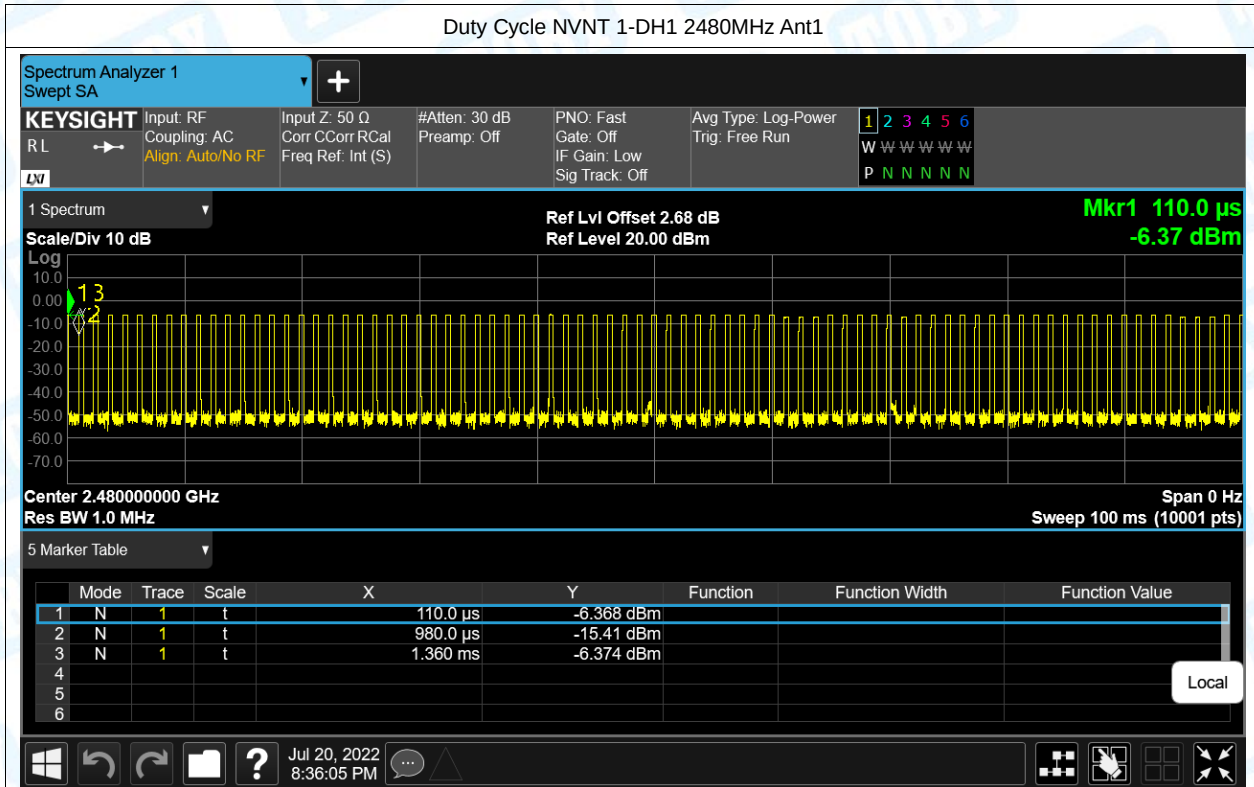
Contents

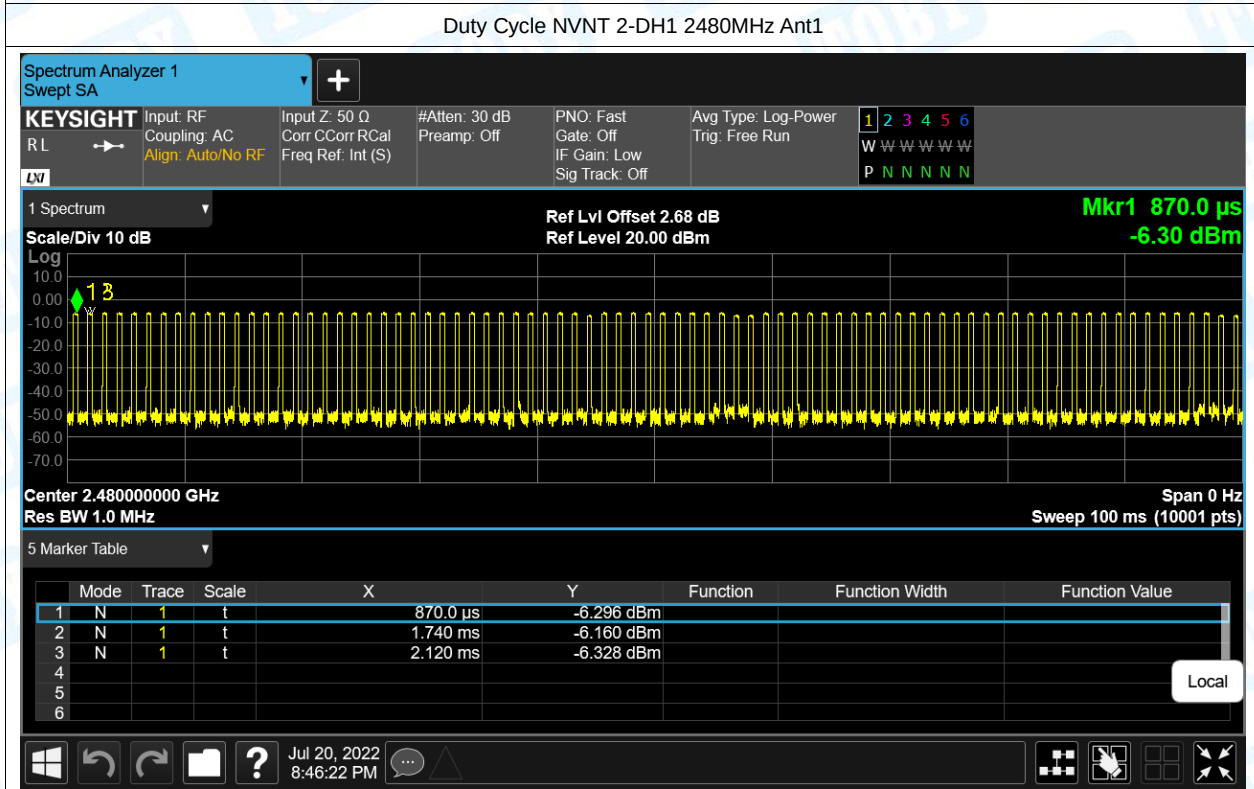
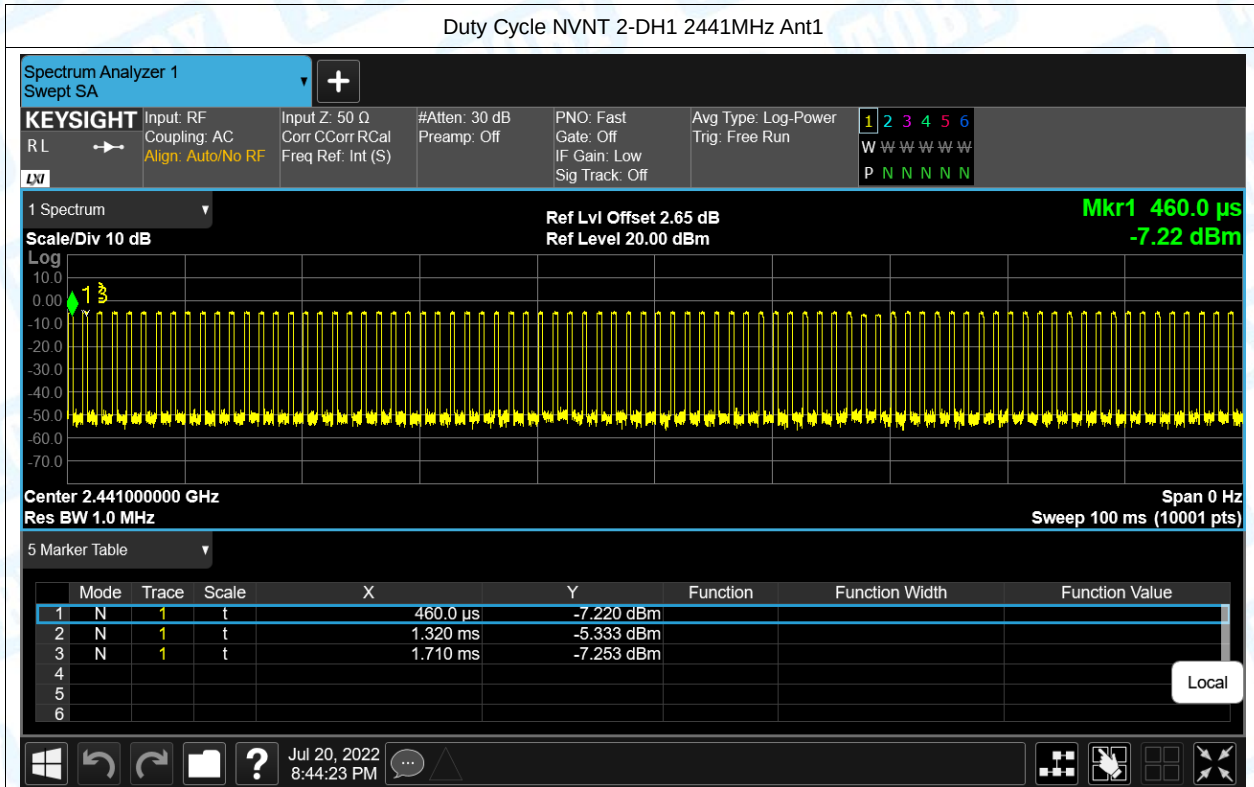
1. Duty Cycle.....	3
2. Maximum Conducted Output Power	9
3. -20dB Bandwidth	15
4. Occupied Channel Bandwidth	21
5. Band Edge	27
6. Band Edge(Hopping).....	34
7. Conducted RF Spurious Emission	41
8. Restrict Band	51
9. Carrier Frequencies Separation.....	58
10. Number of Hopping Channel	61
11. Dwell Time.....	64

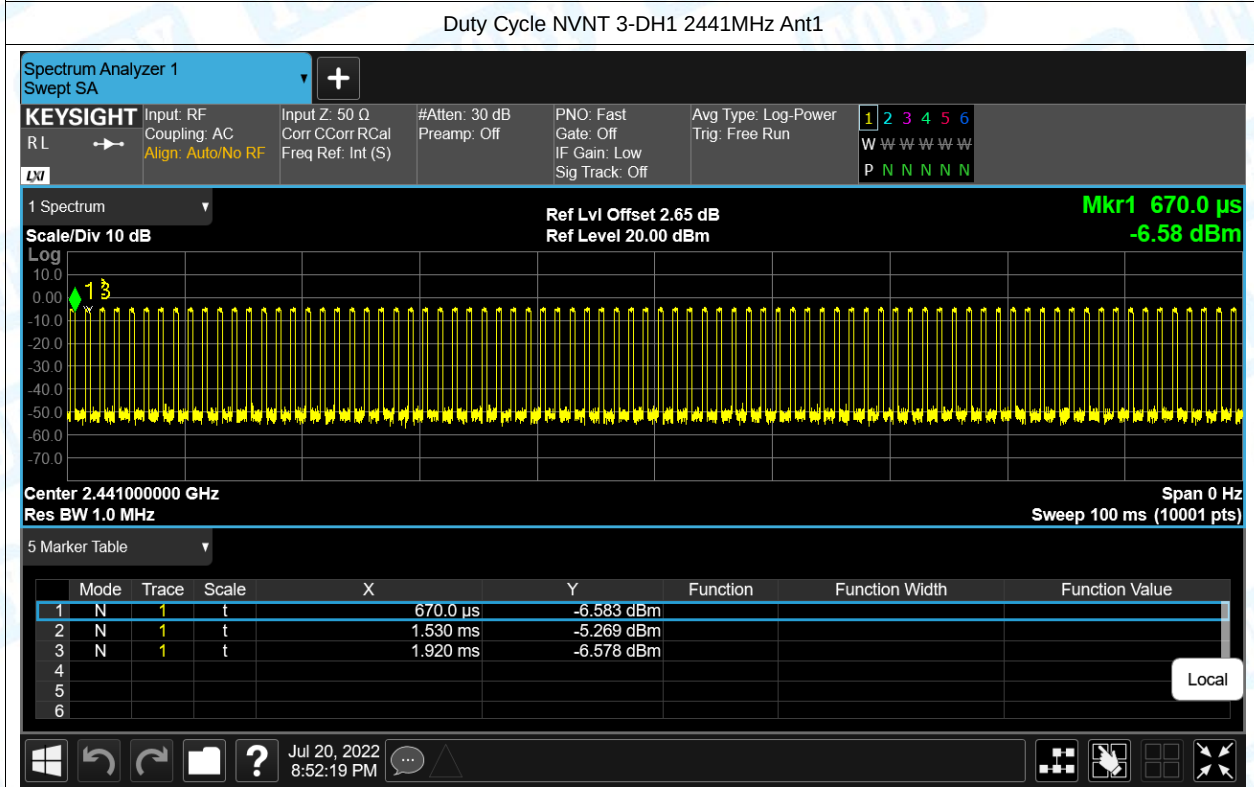
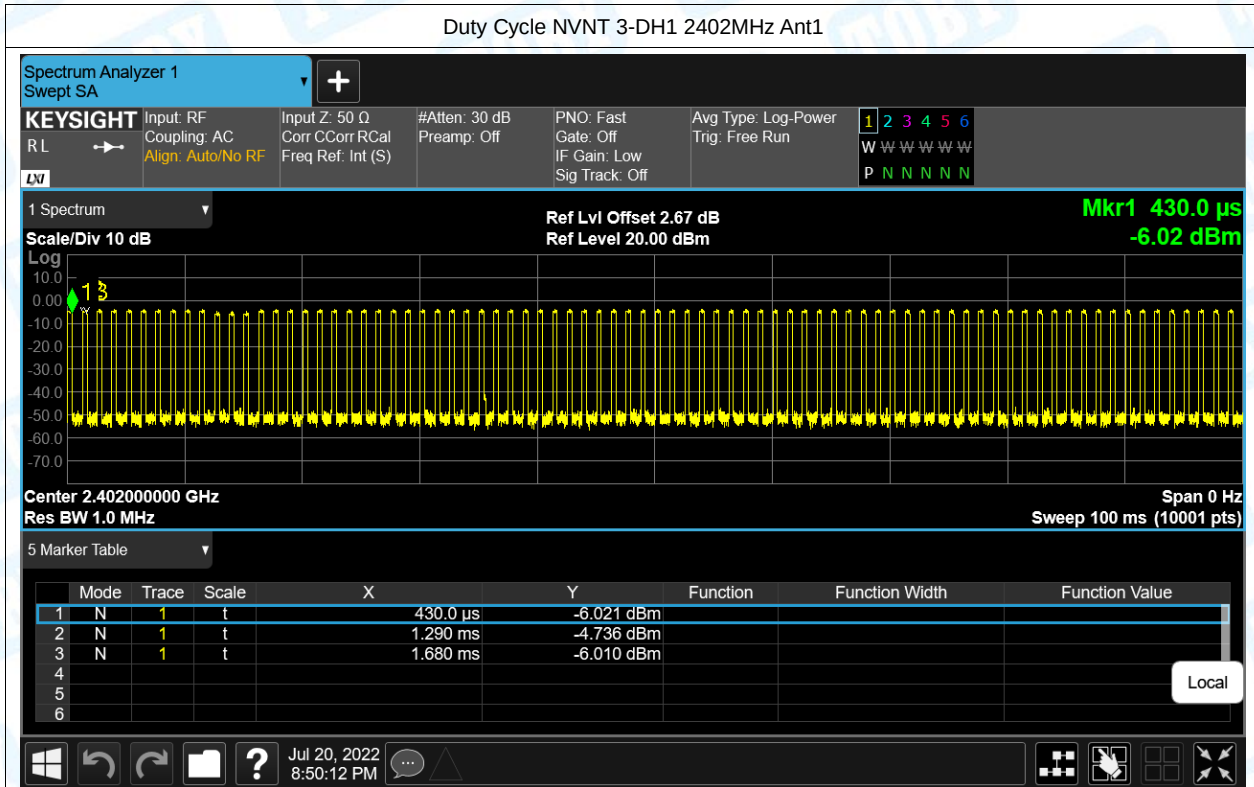
1. Duty Cycle

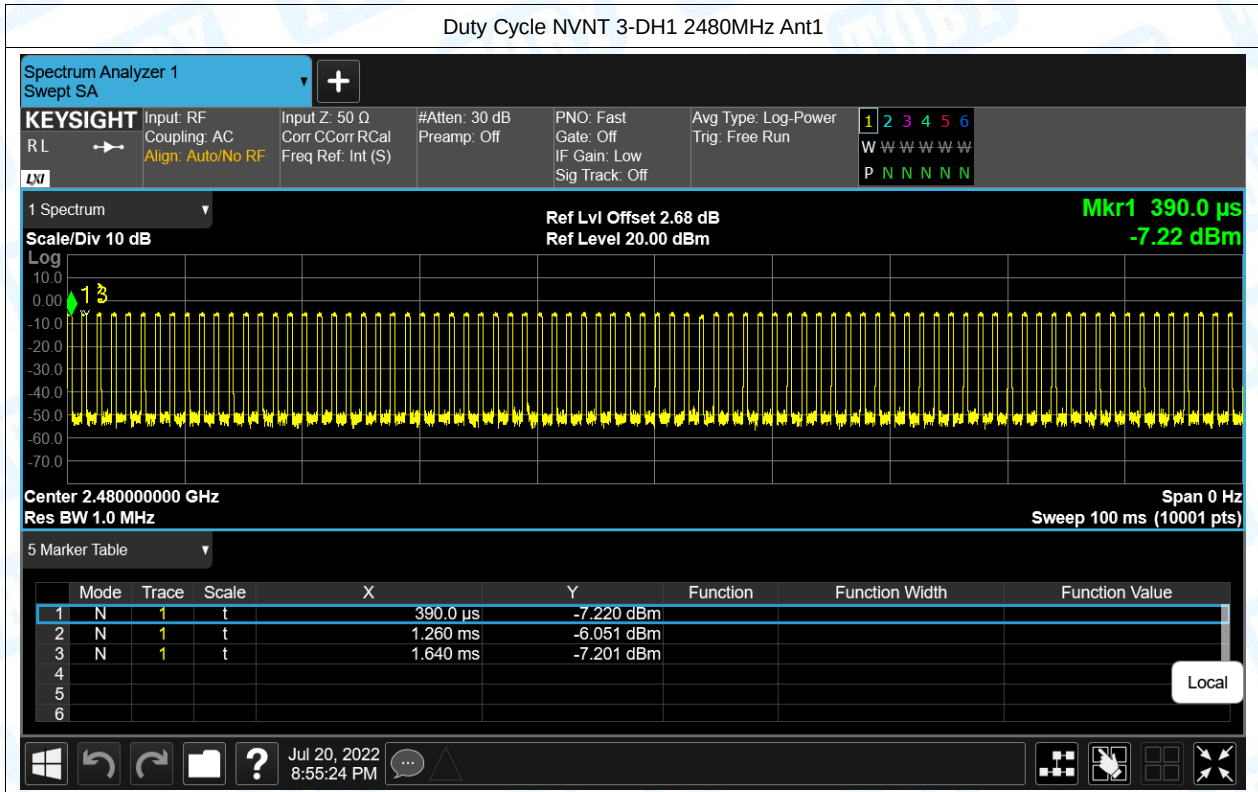
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	31.21	5.06	2.63
NVNT	1-DH1	2441	Ant1	31.2	5.06	2.63
NVNT	1-DH1	2480	Ant1	31.21	5.06	2.63
NVNT	2-DH1	2402	Ant1	32.01	4.95	2.56
NVNT	2-DH1	2441	Ant1	32	4.95	2.56
NVNT	2-DH1	2480	Ant1	31.2	5.06	2.63
NVNT	3-DH1	2402	Ant1	32	4.95	2.56
NVNT	3-DH1	2441	Ant1	32	4.95	2.56
NVNT	3-DH1	2480	Ant1	31.2	5.06	2.63









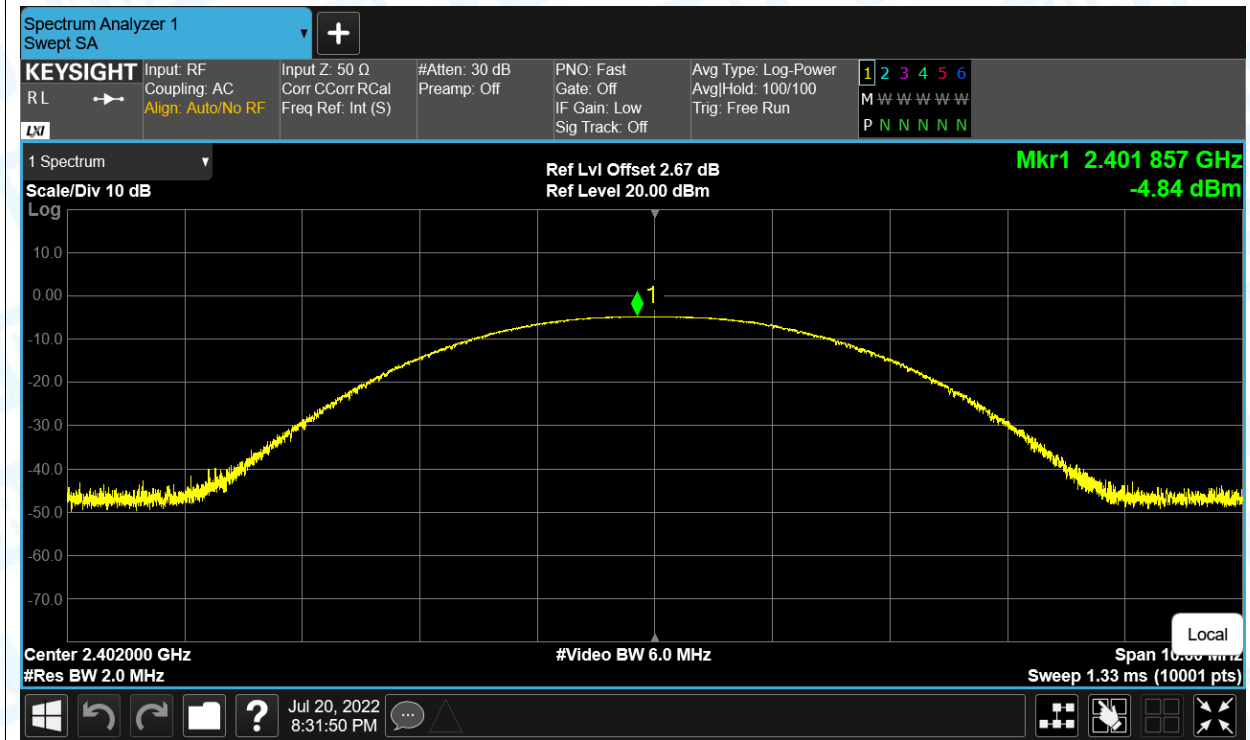


2. Maximum Conducted Output Power

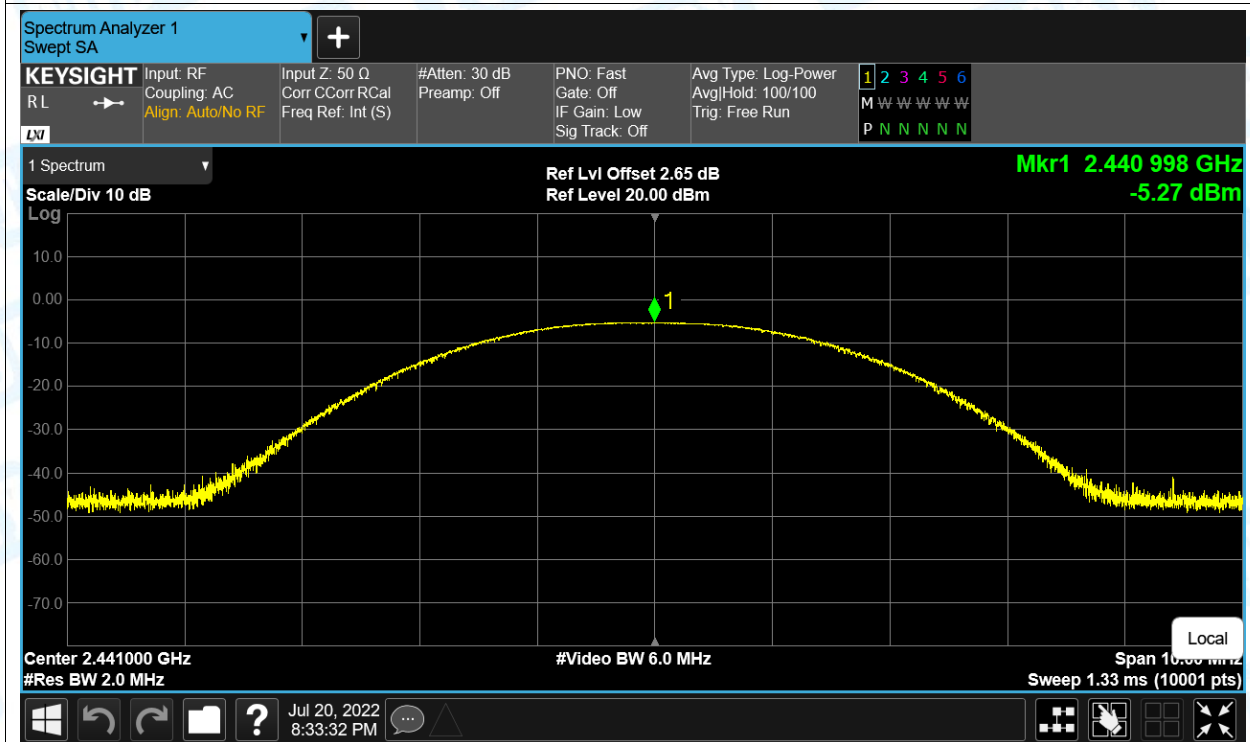
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-4.839	21	Pass
NVNT	1-DH1	2441	Ant1	-5.275	21	Pass
NVNT	1-DH1	2480	Ant1	-6.074	21	Pass
NVNT	2-DH1	2402	Ant1	-3.9	21	Pass
NVNT	2-DH1	2441	Ant1	-4.42	21	Pass
NVNT	2-DH1	2480	Ant1	-5.261	21	Pass
NVNT	3-DH1	2402	Ant1	-3.297	21	Pass
NVNT	3-DH1	2441	Ant1	-3.788	21	Pass
NVNT	3-DH1	2480	Ant1	-4.691	21	Pass

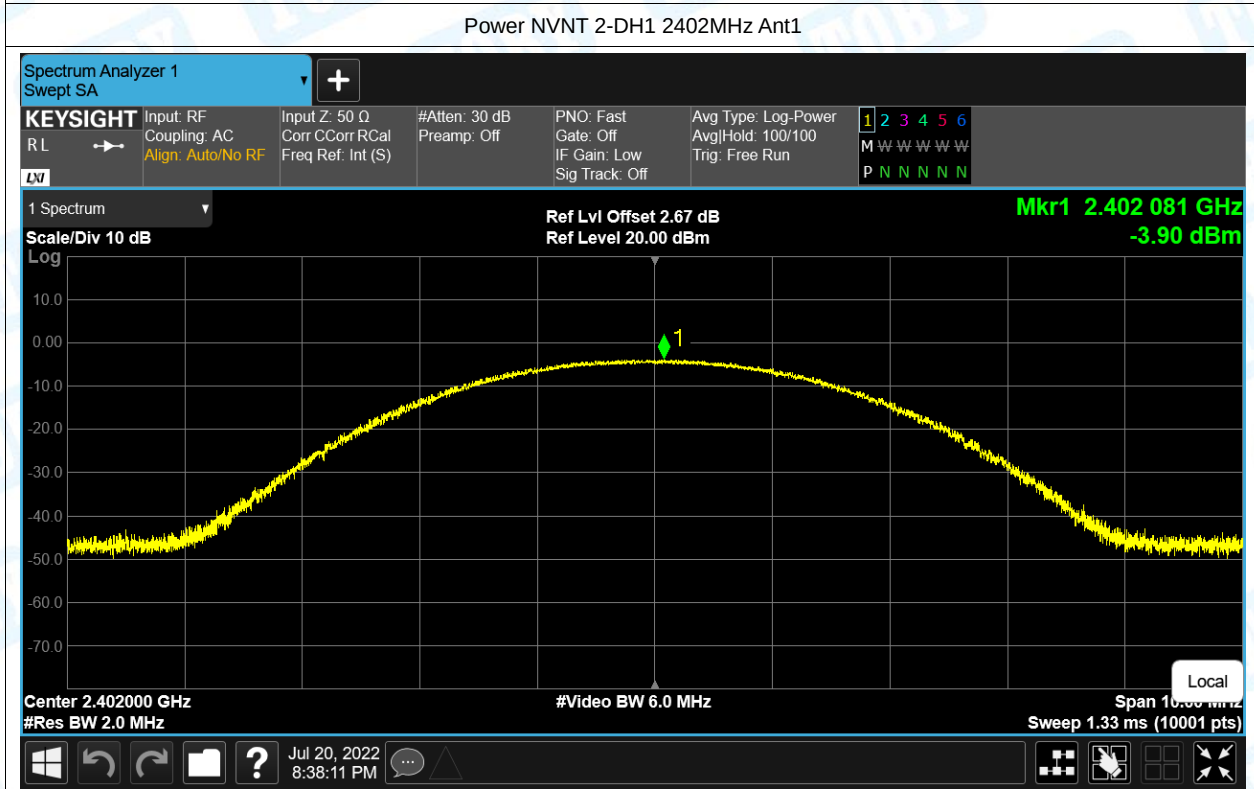
Test Graphs

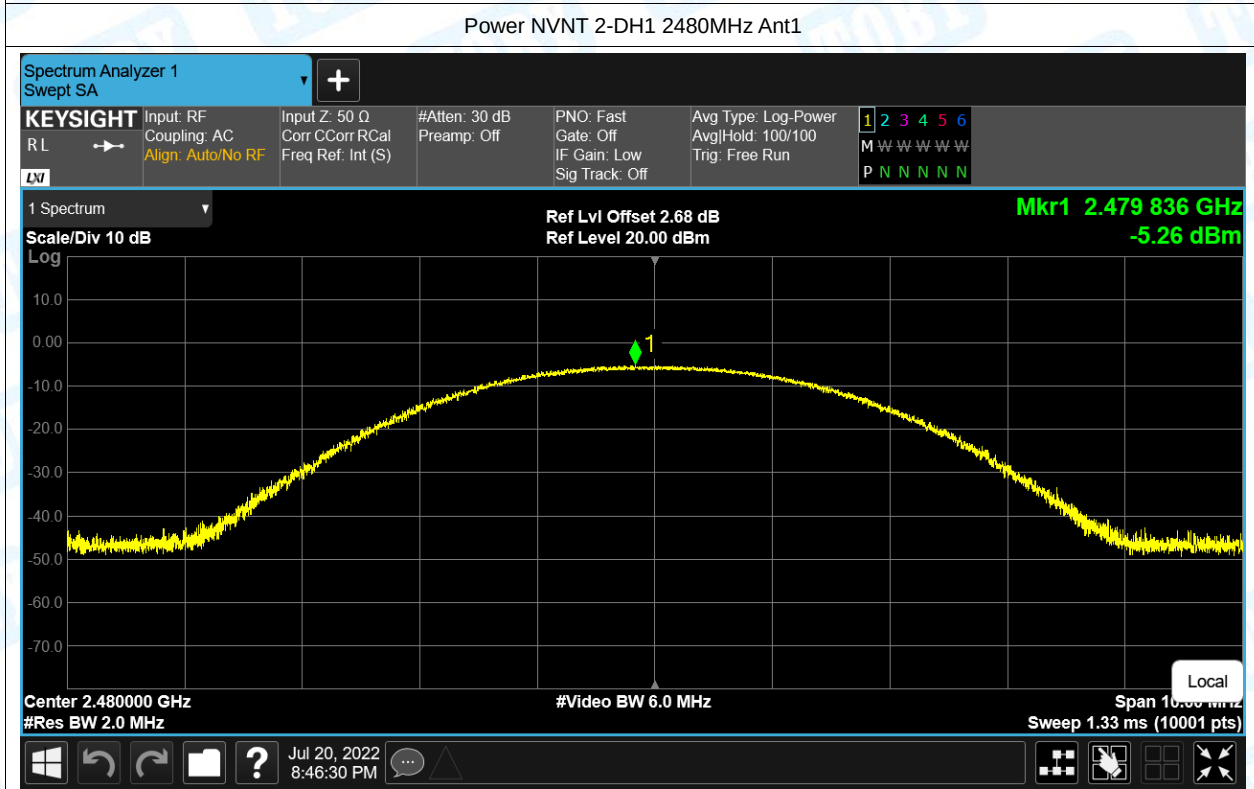
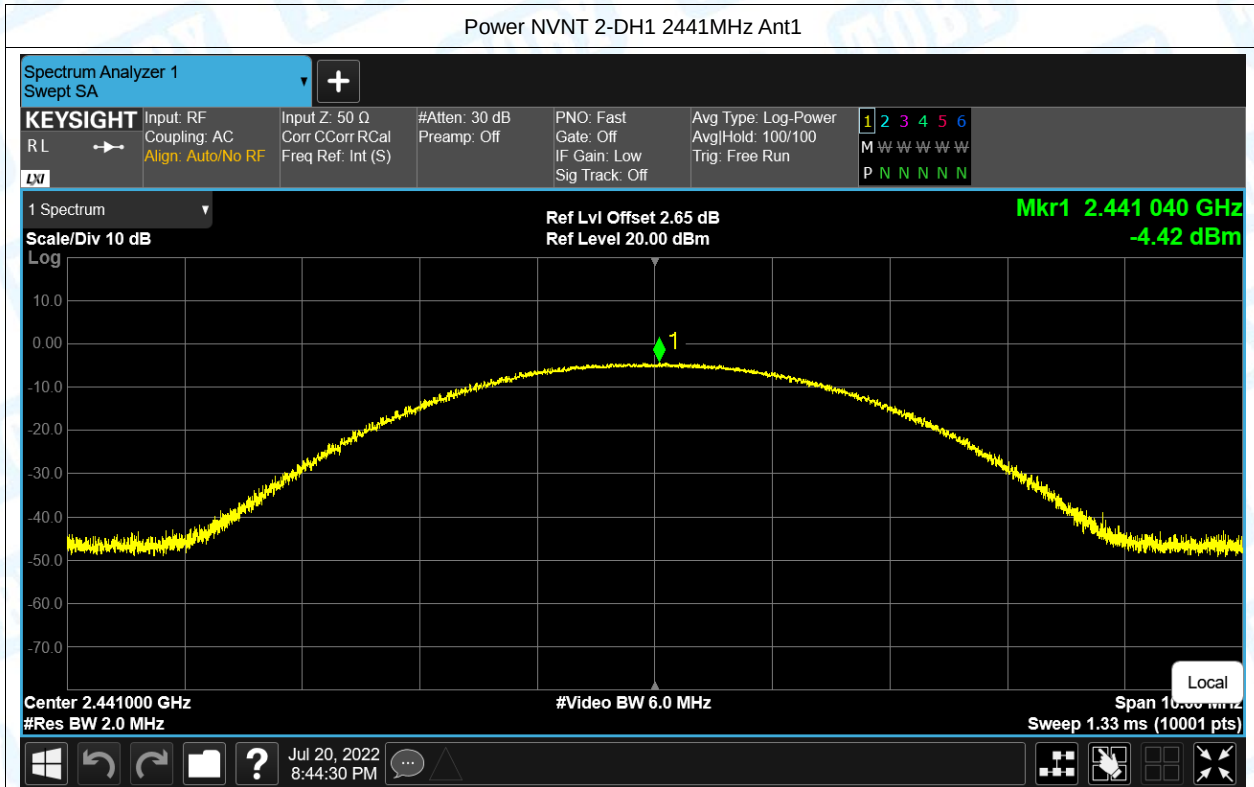
Power NVNT 1-DH1 2402MHz Ant1

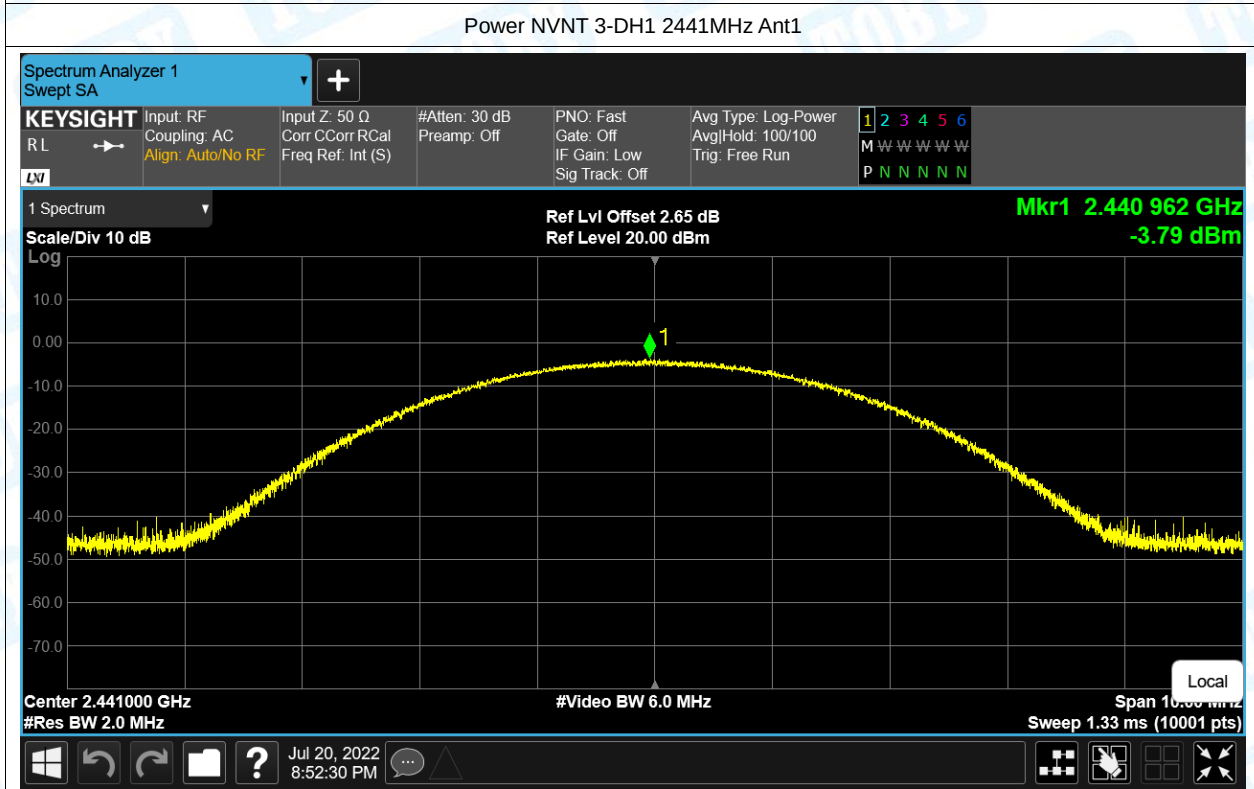
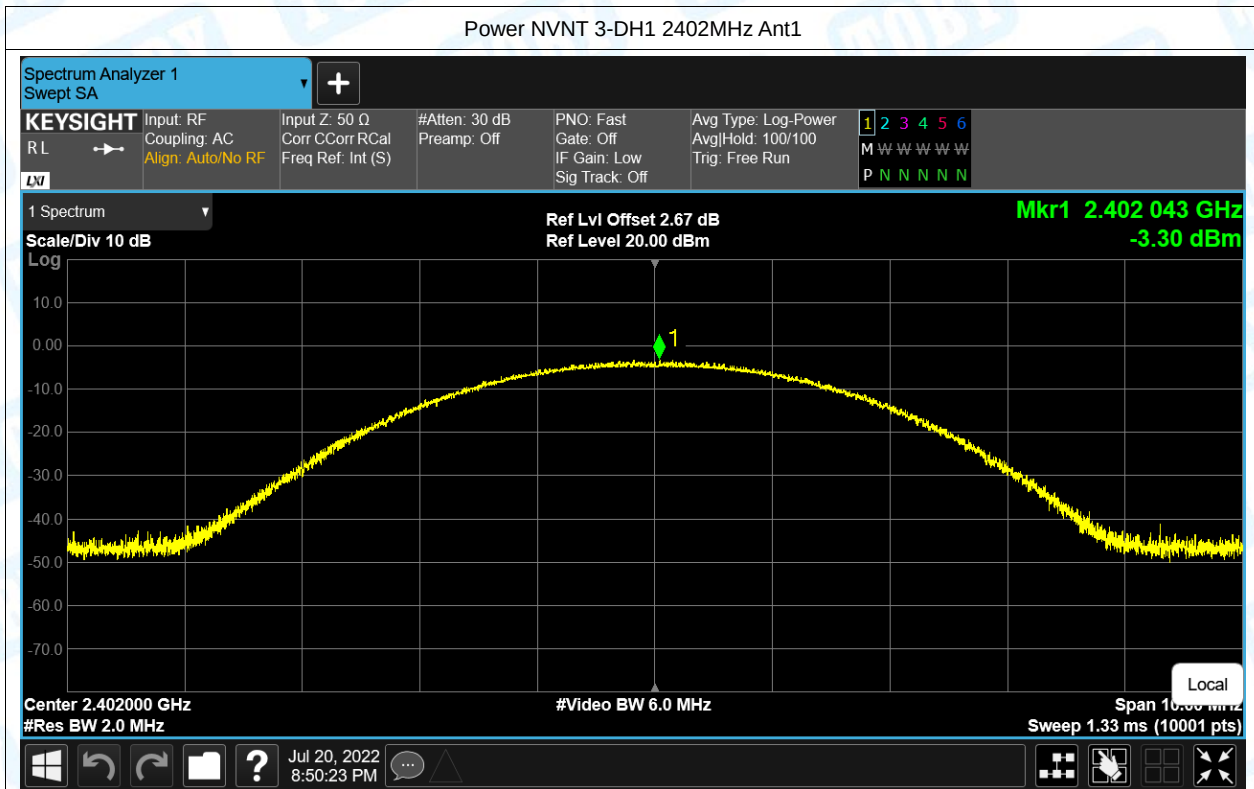


Power NVNT 1-DH1 2441MHz Ant1











3. -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.01	0	Pass
NVNT	1-DH1	2441	Ant1	1	0	Pass
NVNT	1-DH1	2480	Ant1	1.04	0	Pass
NVNT	2-DH1	2402	Ant1	1.29	0	Pass
NVNT	2-DH1	2441	Ant1	1.29	0	Pass
NVNT	2-DH1	2480	Ant1	1.28	0	Pass
NVNT	3-DH1	2402	Ant1	1.25	0	Pass
NVNT	3-DH1	2441	Ant1	1.24	0	Pass
NVNT	3-DH1	2480	Ant1	1.28	0	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



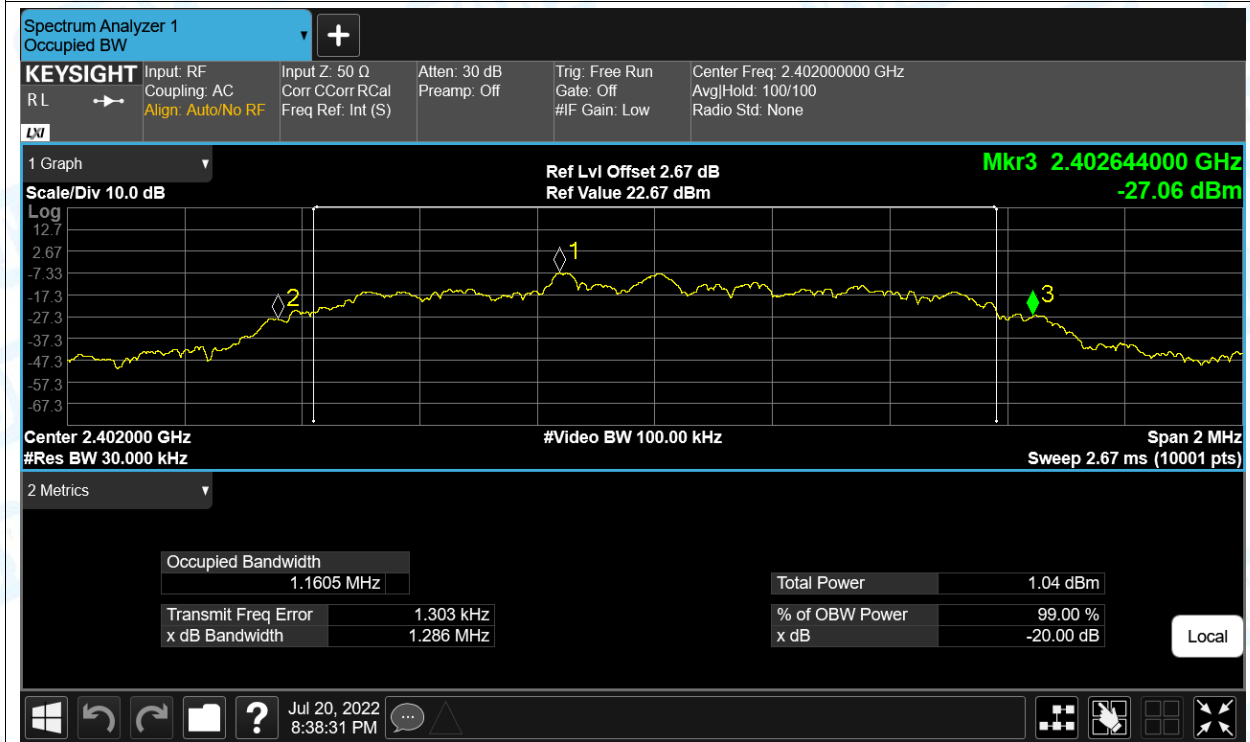
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1

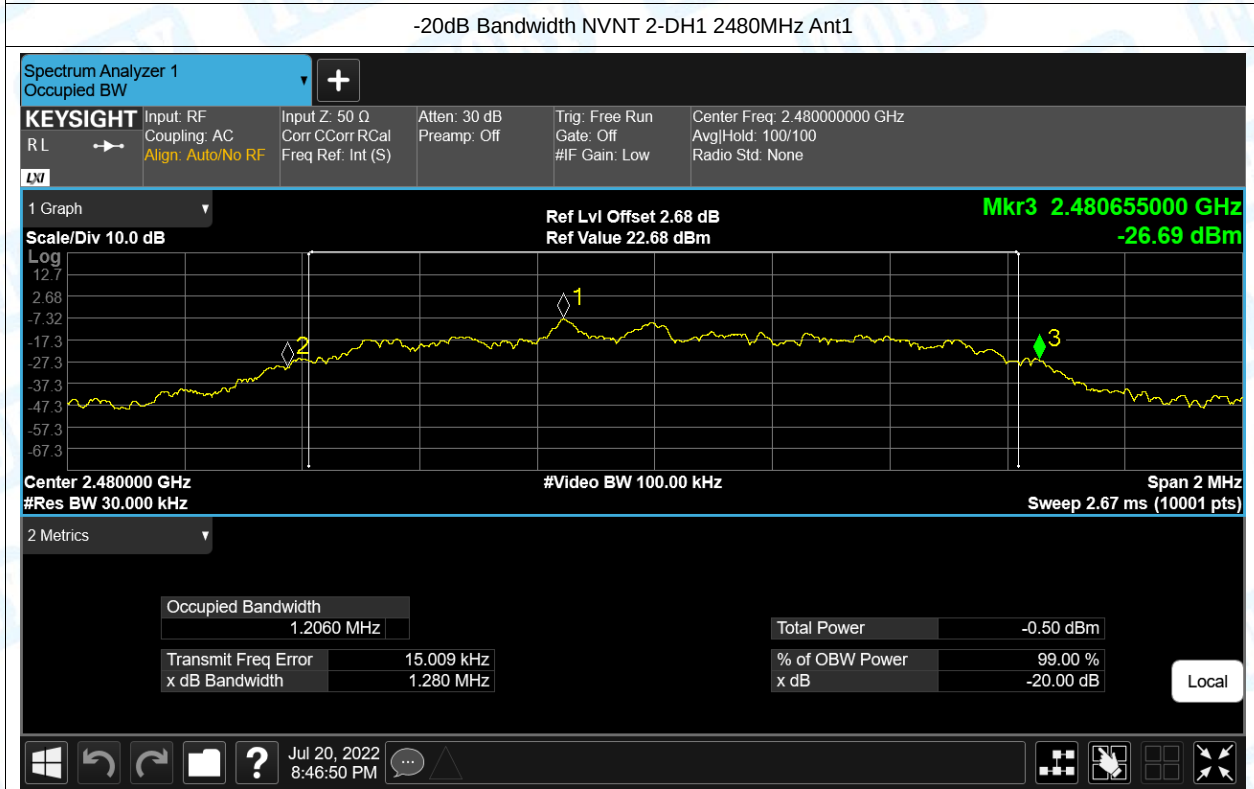
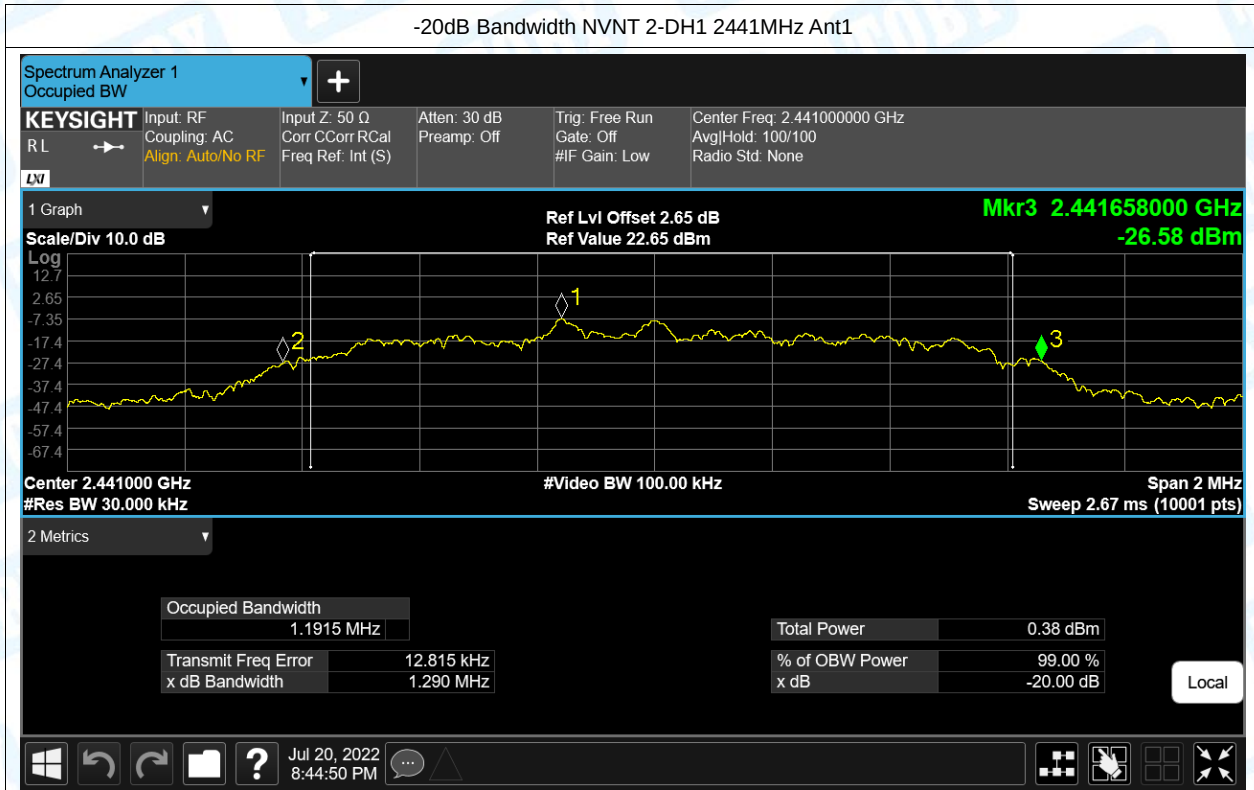


-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1

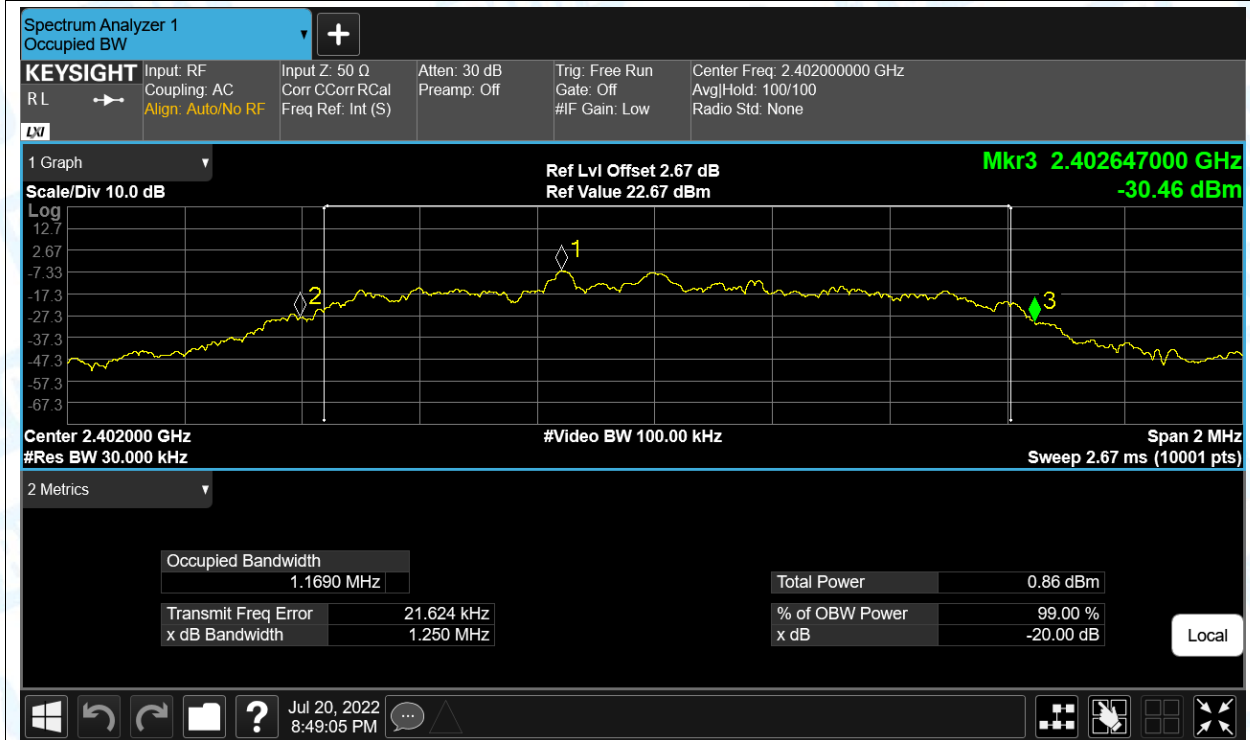


-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1

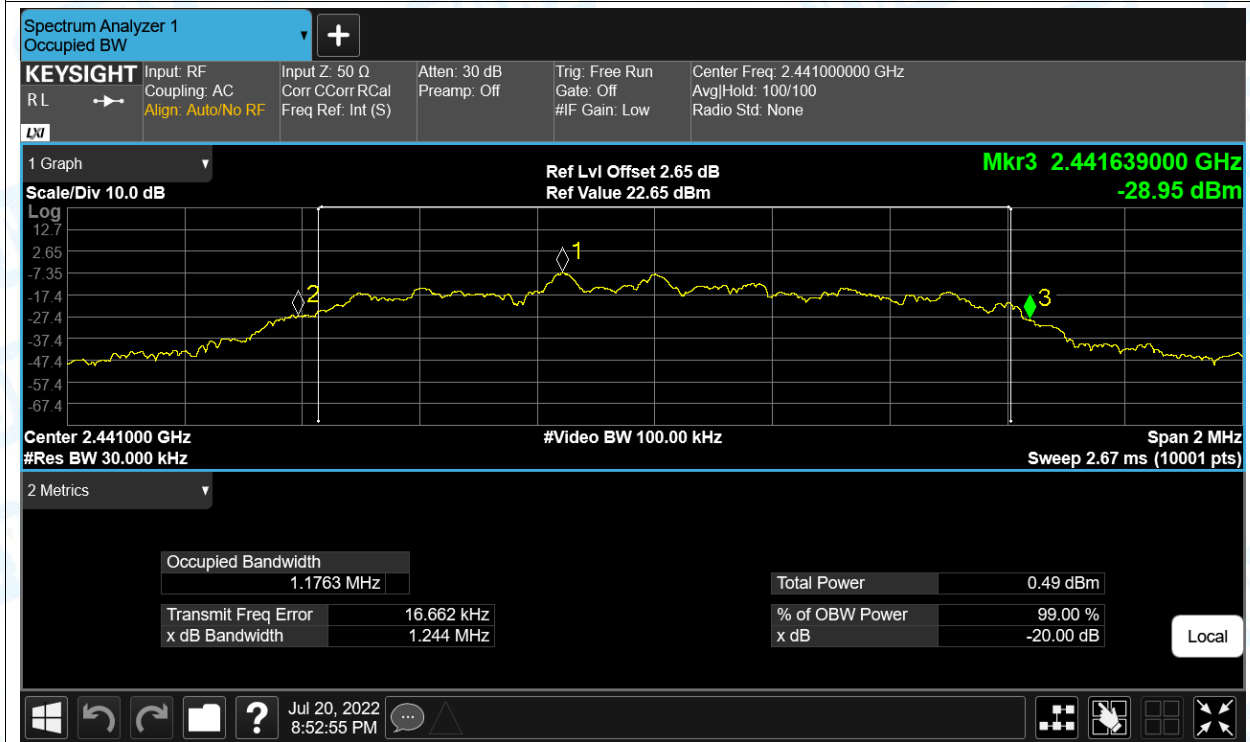


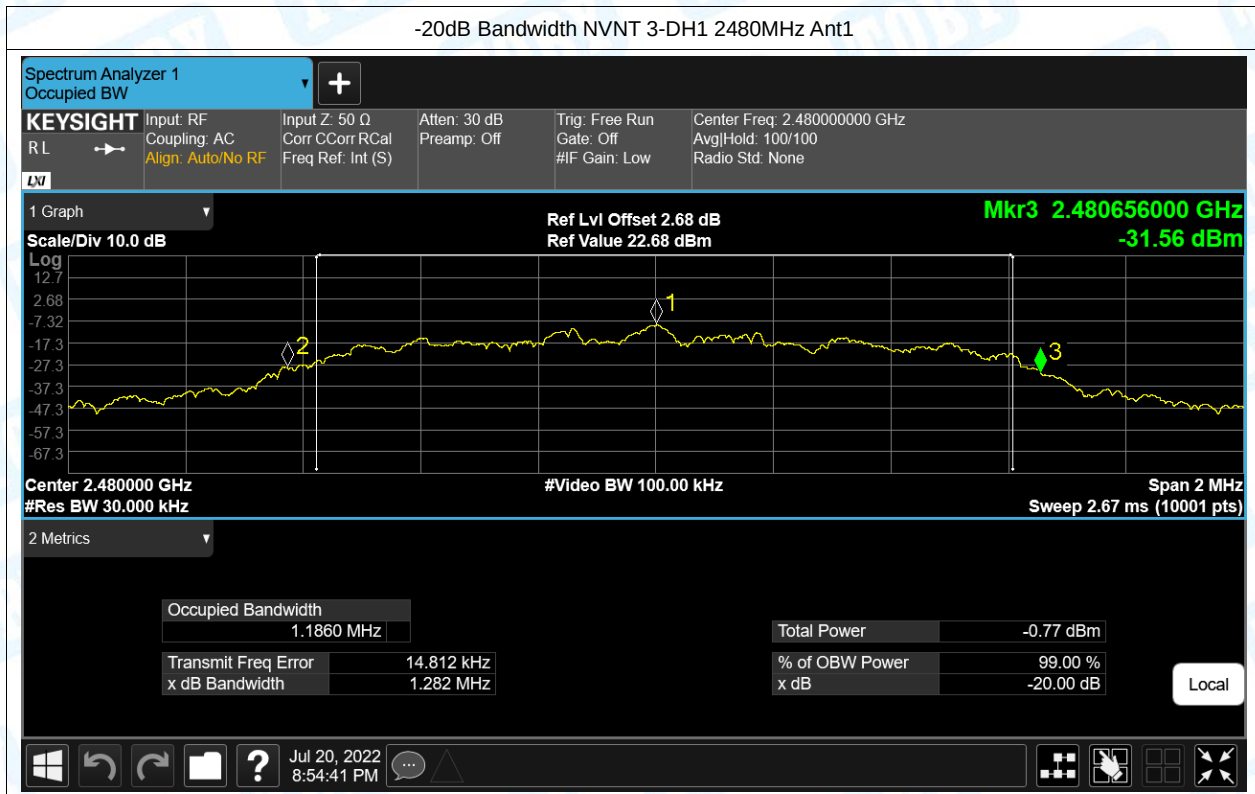


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



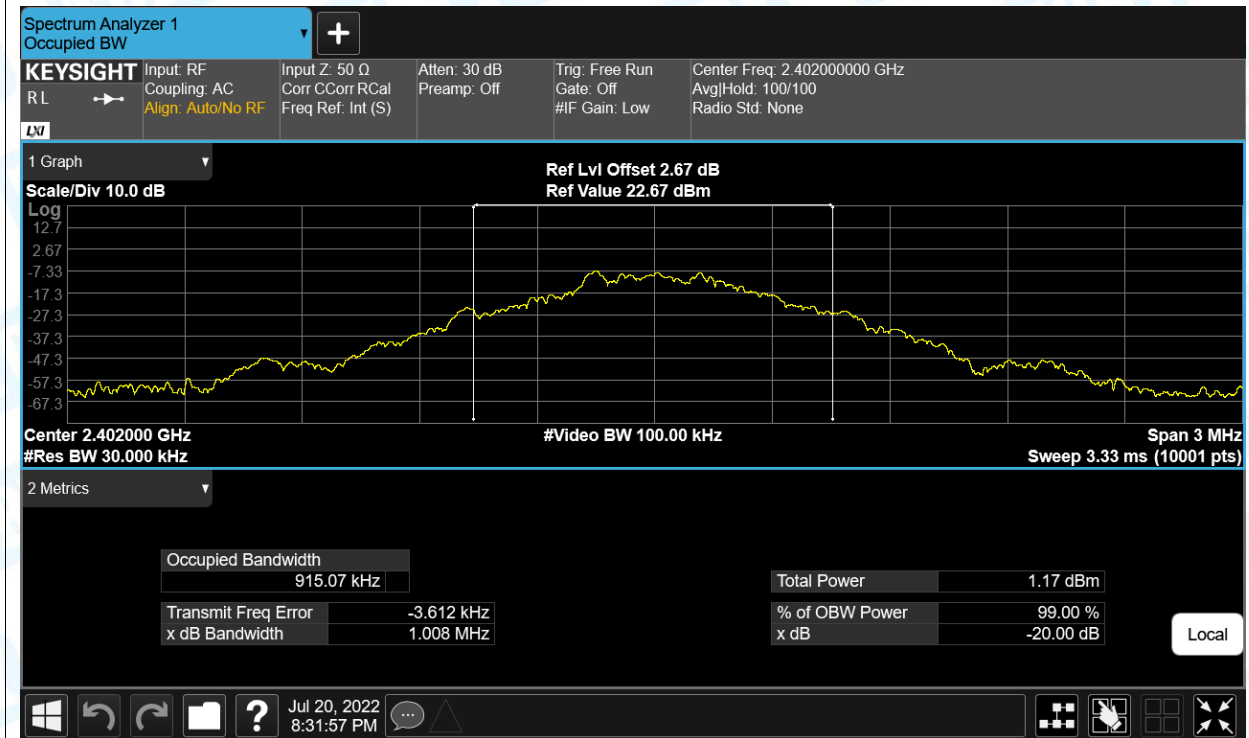


4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.915
NVNT	1-DH1	2441	Ant1	0.915
NVNT	1-DH1	2480	Ant1	0.95
NVNT	2-DH1	2402	Ant1	1.173
NVNT	2-DH1	2441	Ant1	1.195
NVNT	2-DH1	2480	Ant1	1.213
NVNT	3-DH1	2402	Ant1	1.182
NVNT	3-DH1	2441	Ant1	1.184
NVNT	3-DH1	2480	Ant1	1.176

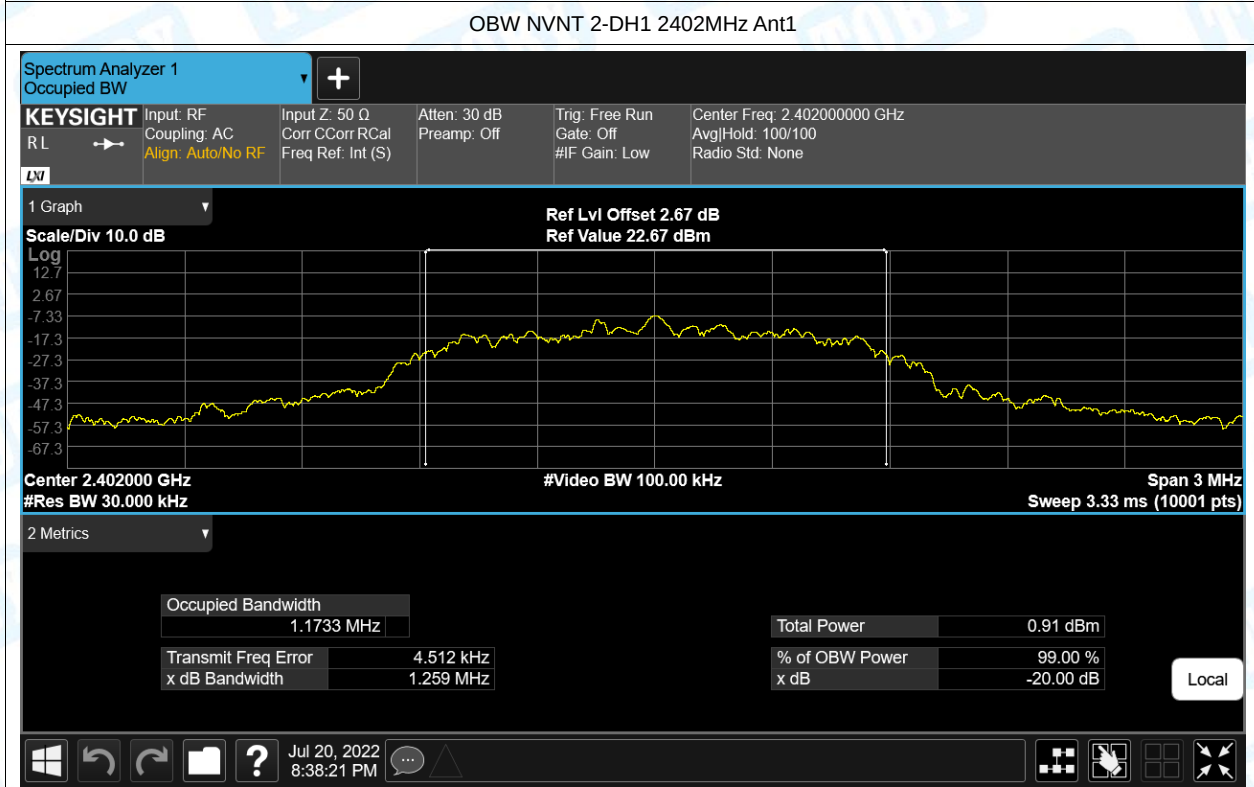
Test Graphs

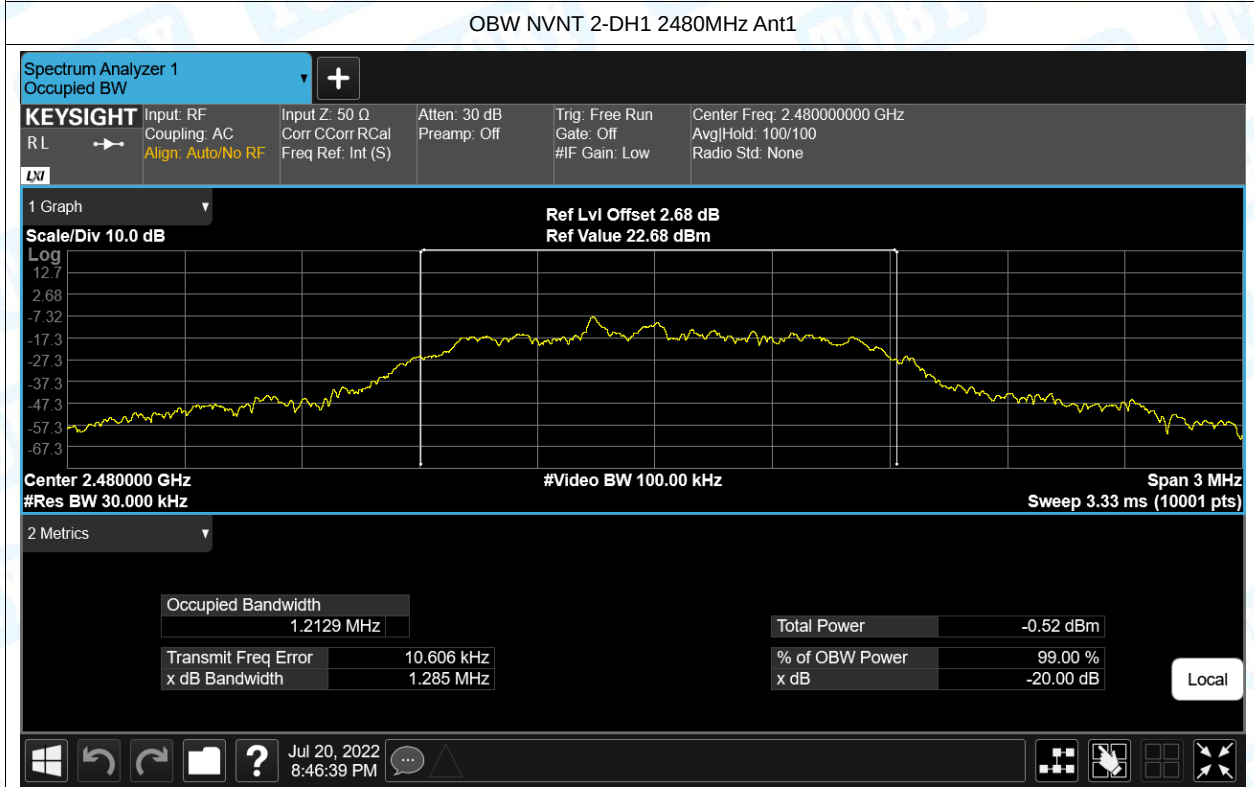
OBW NVNT 1-DH1 2402MHz Ant1

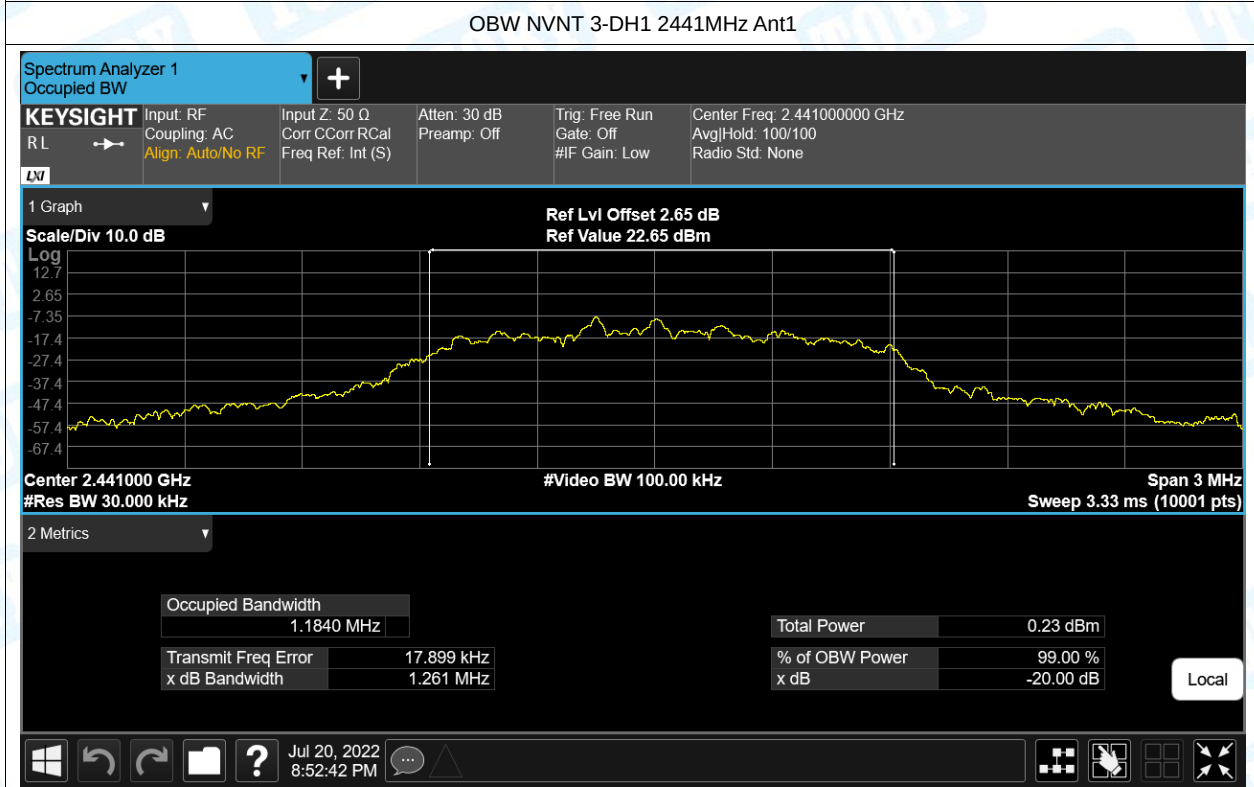


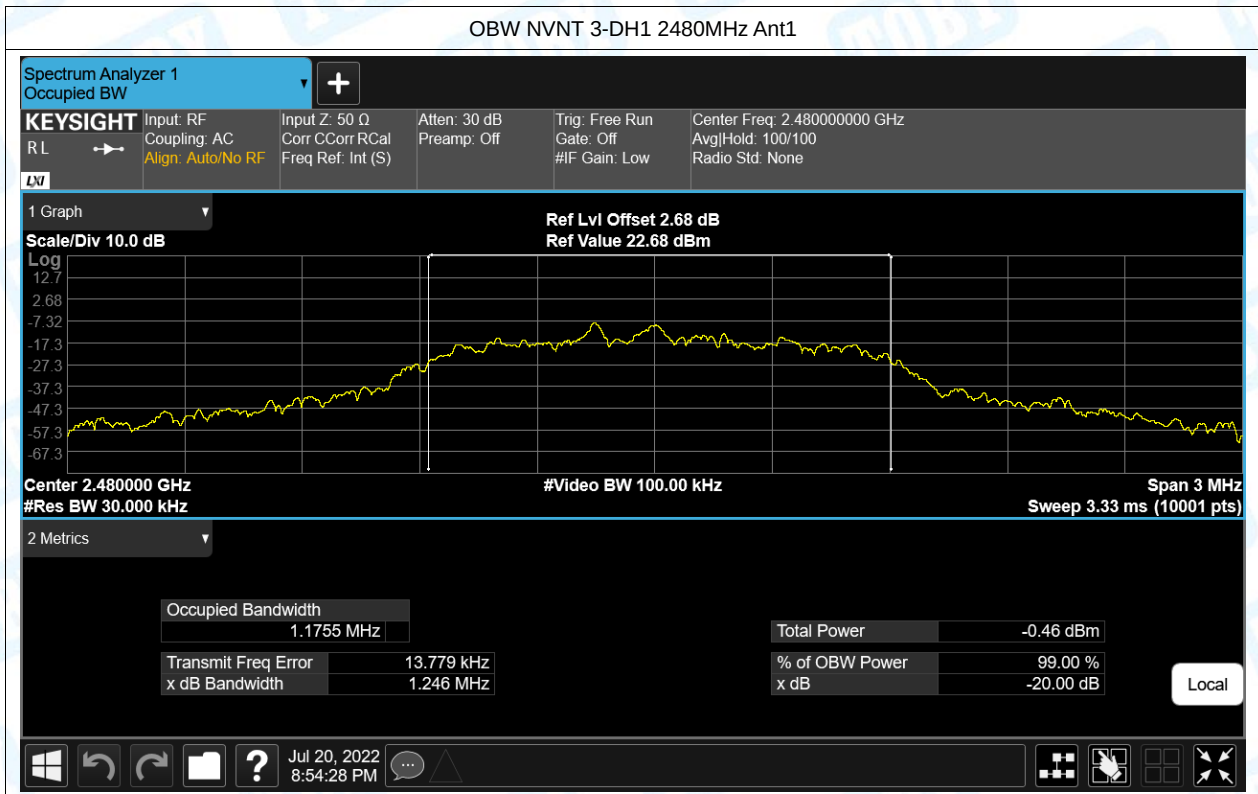
OBW NVNT 1-DH1 2441MHz Ant1





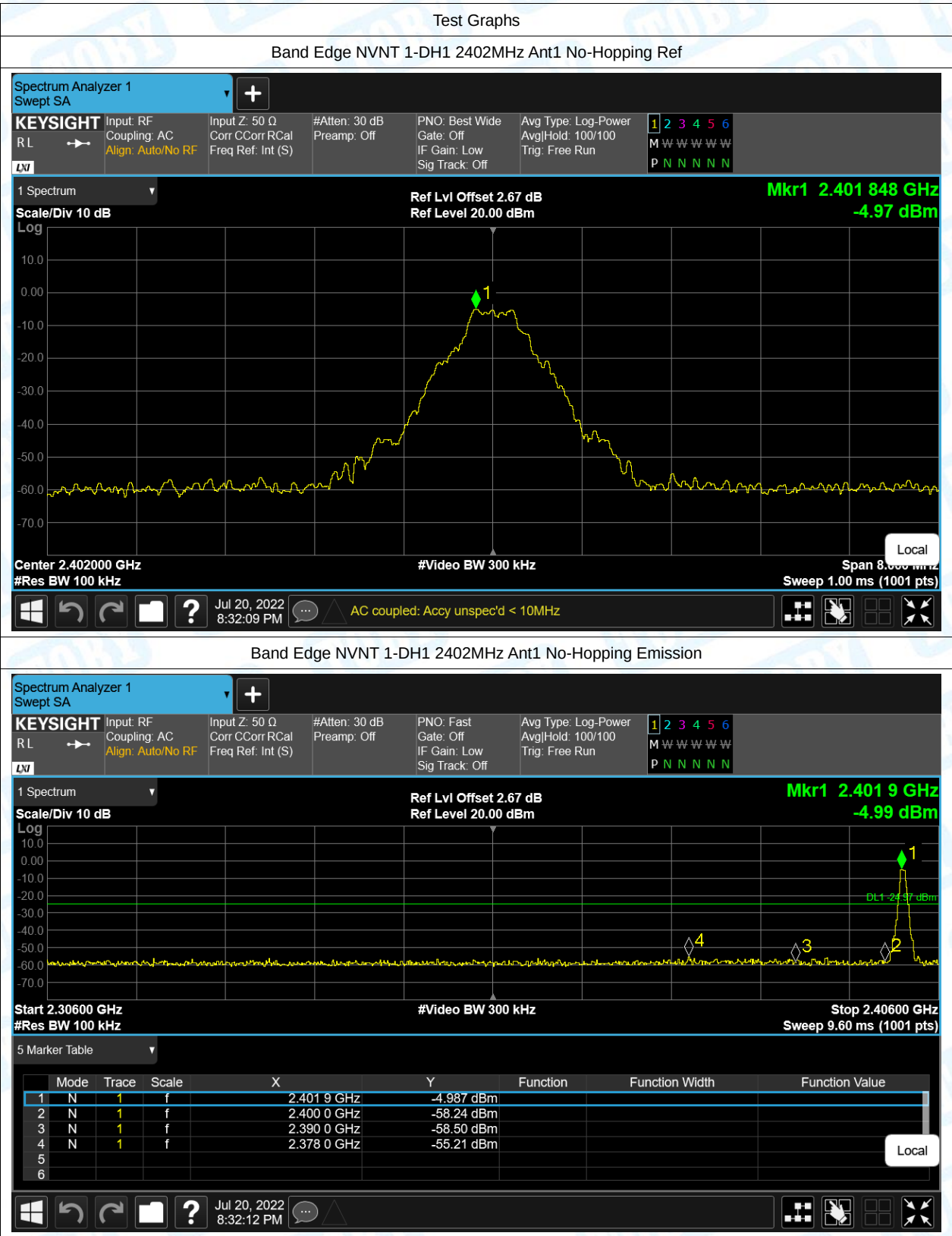


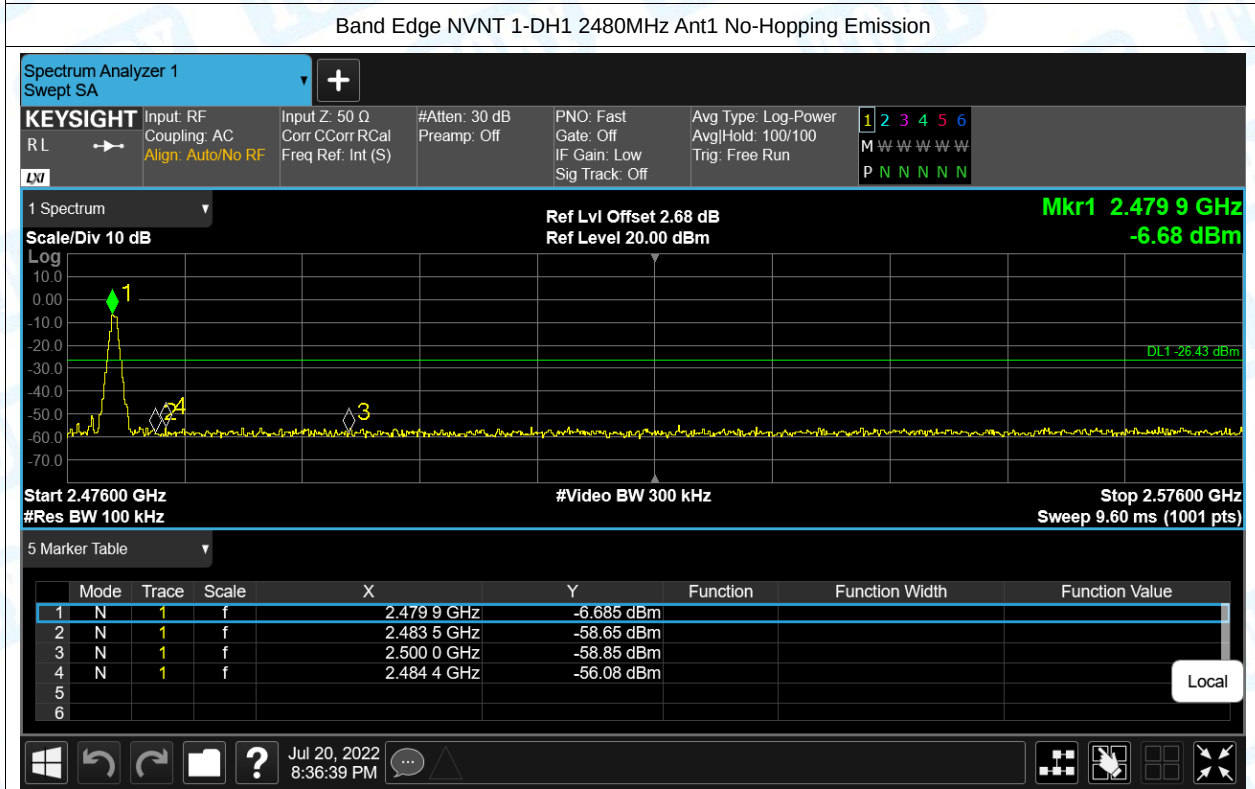
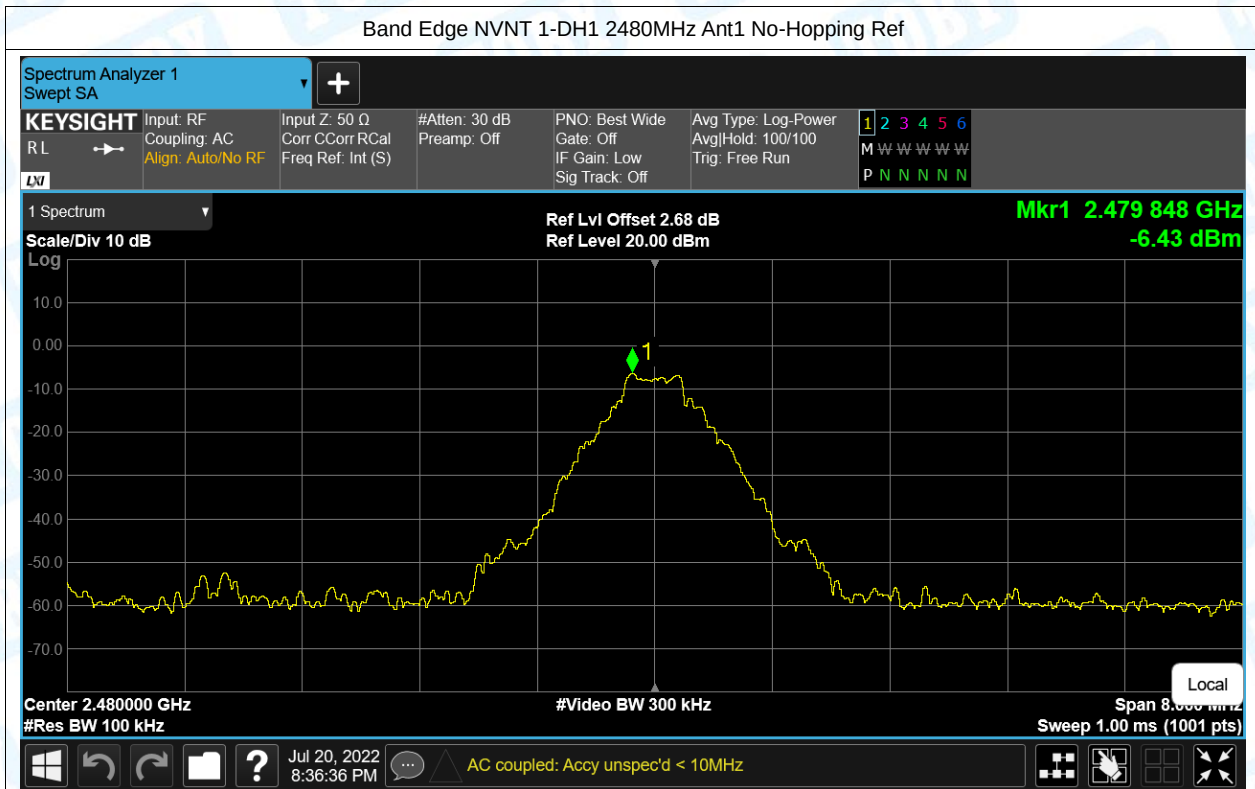


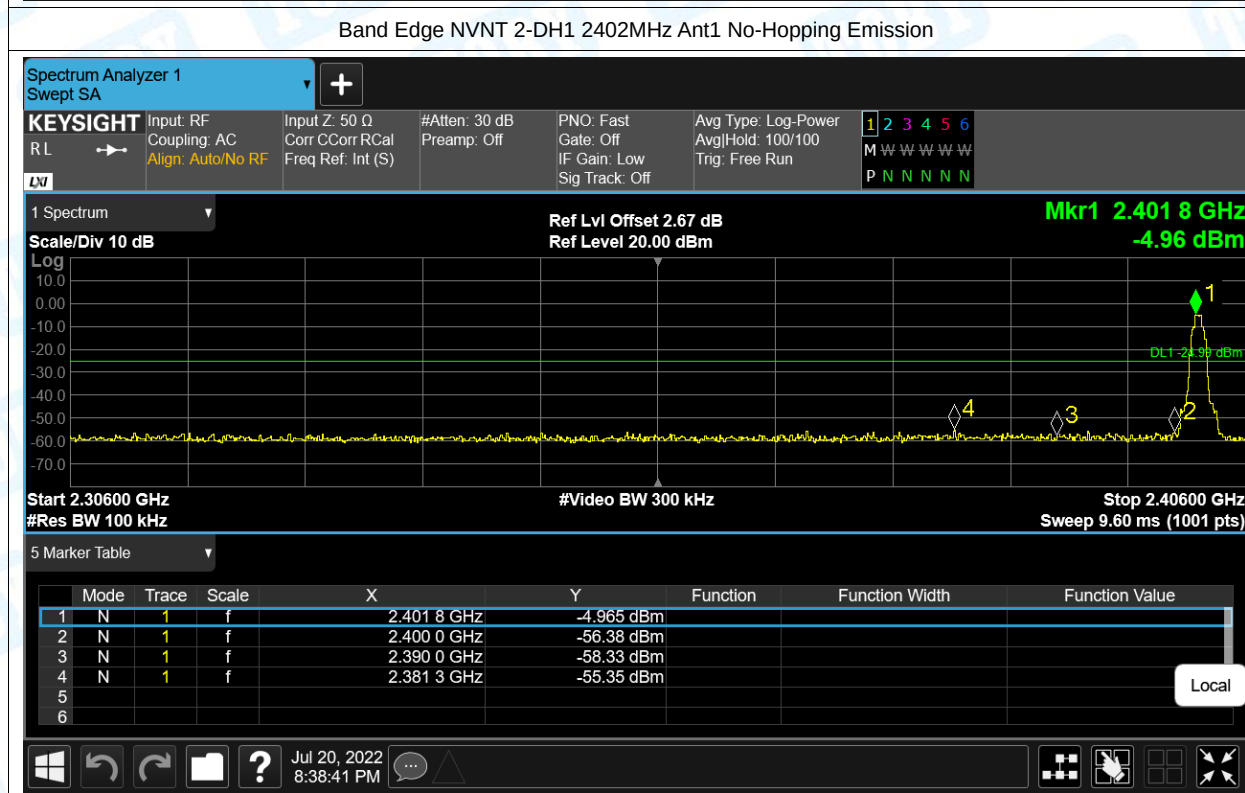
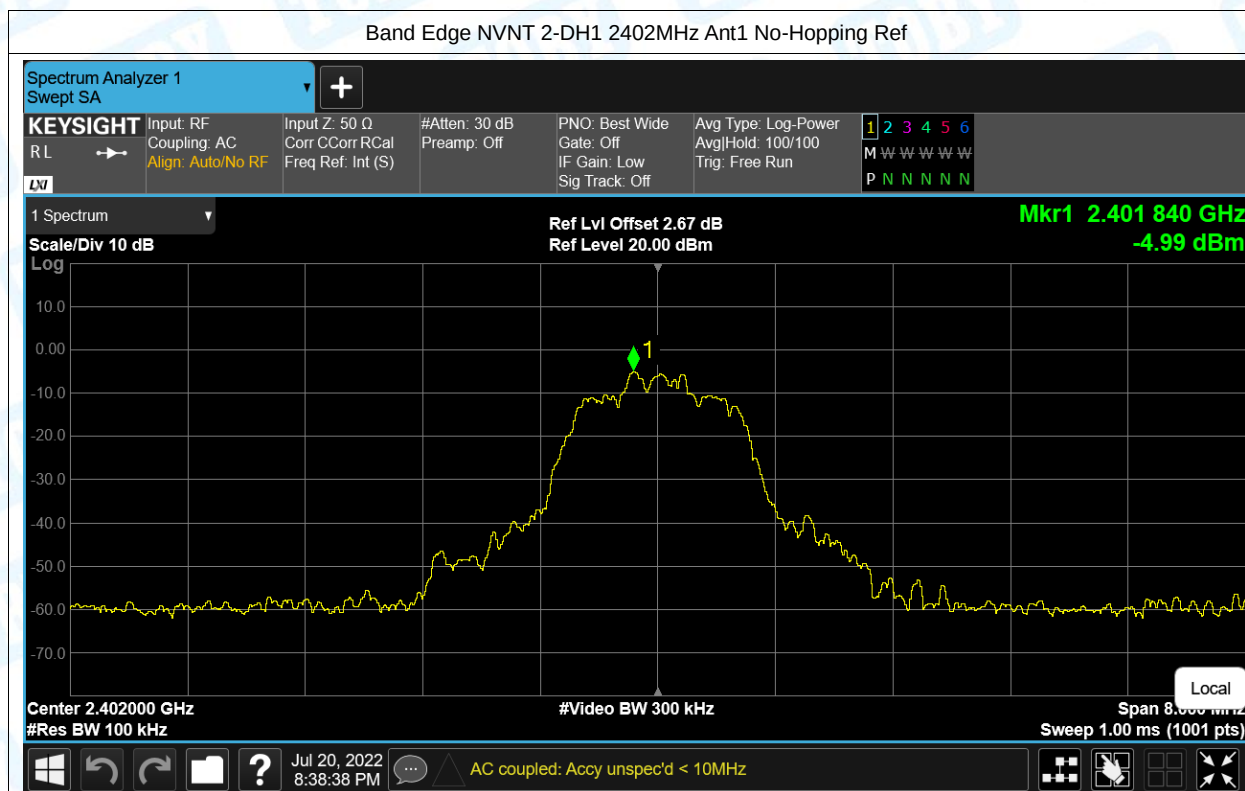


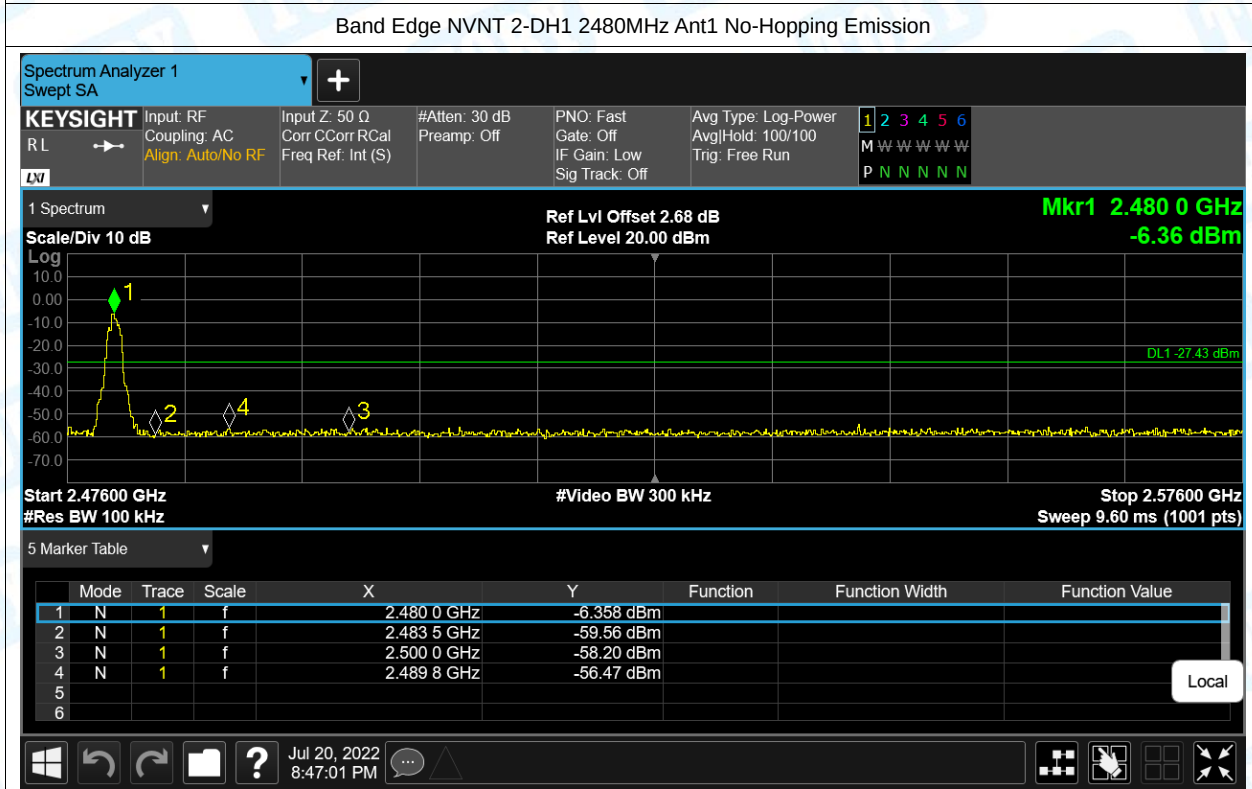
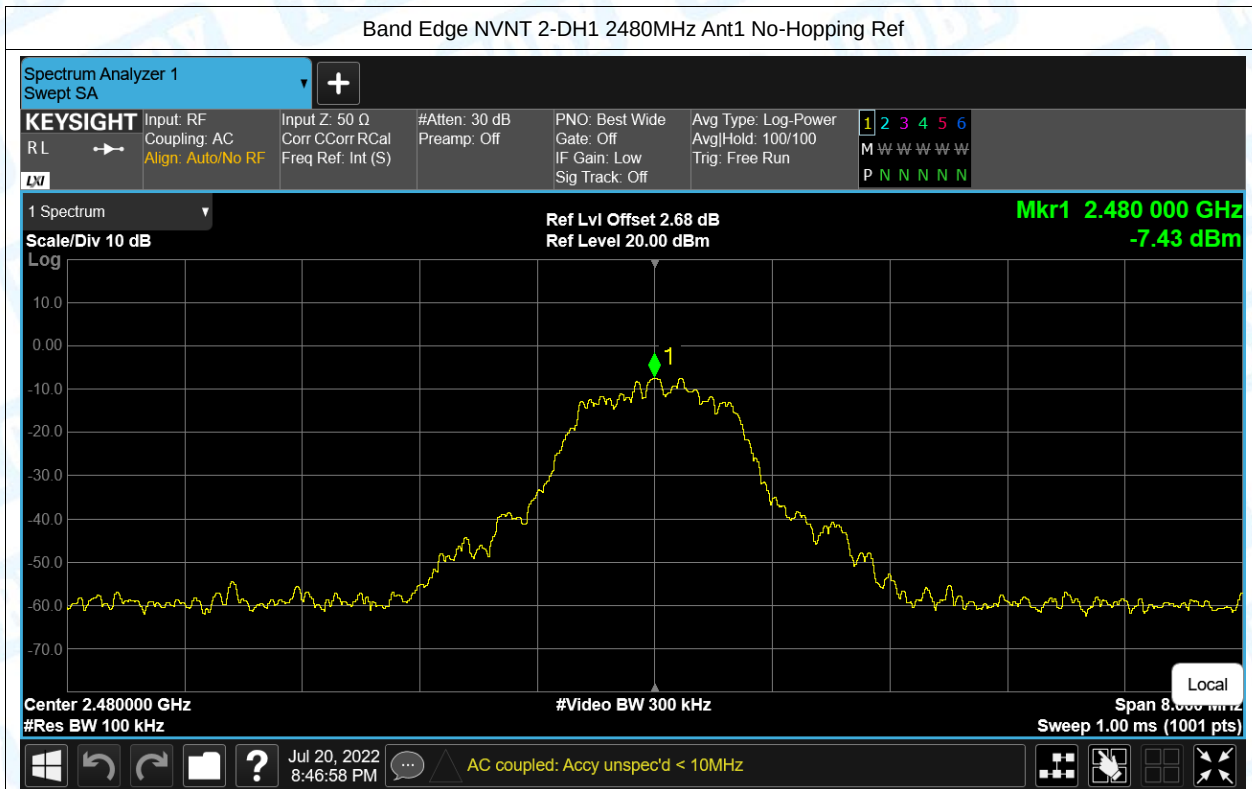
5. Band Edge

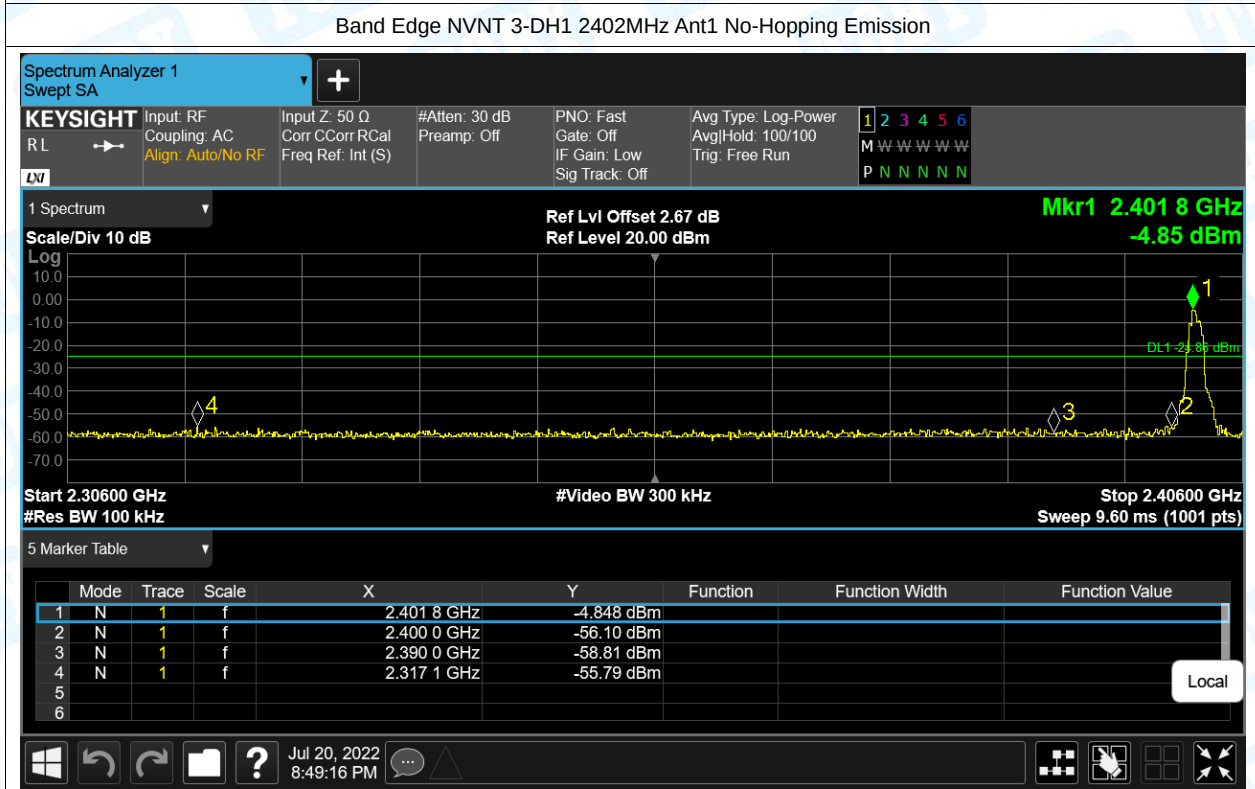
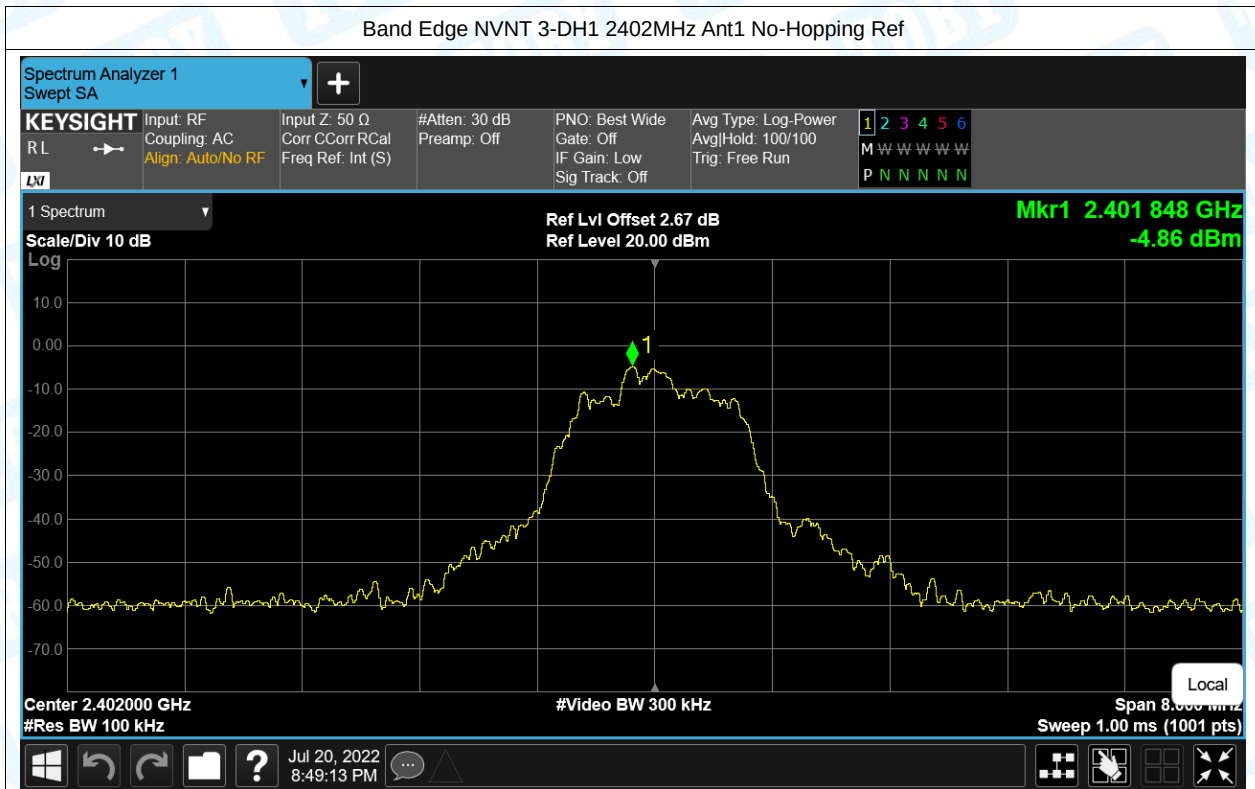
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-50.25	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-49.65	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-50.36	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-49.04	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-50.93	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-49.58	-20	Pass

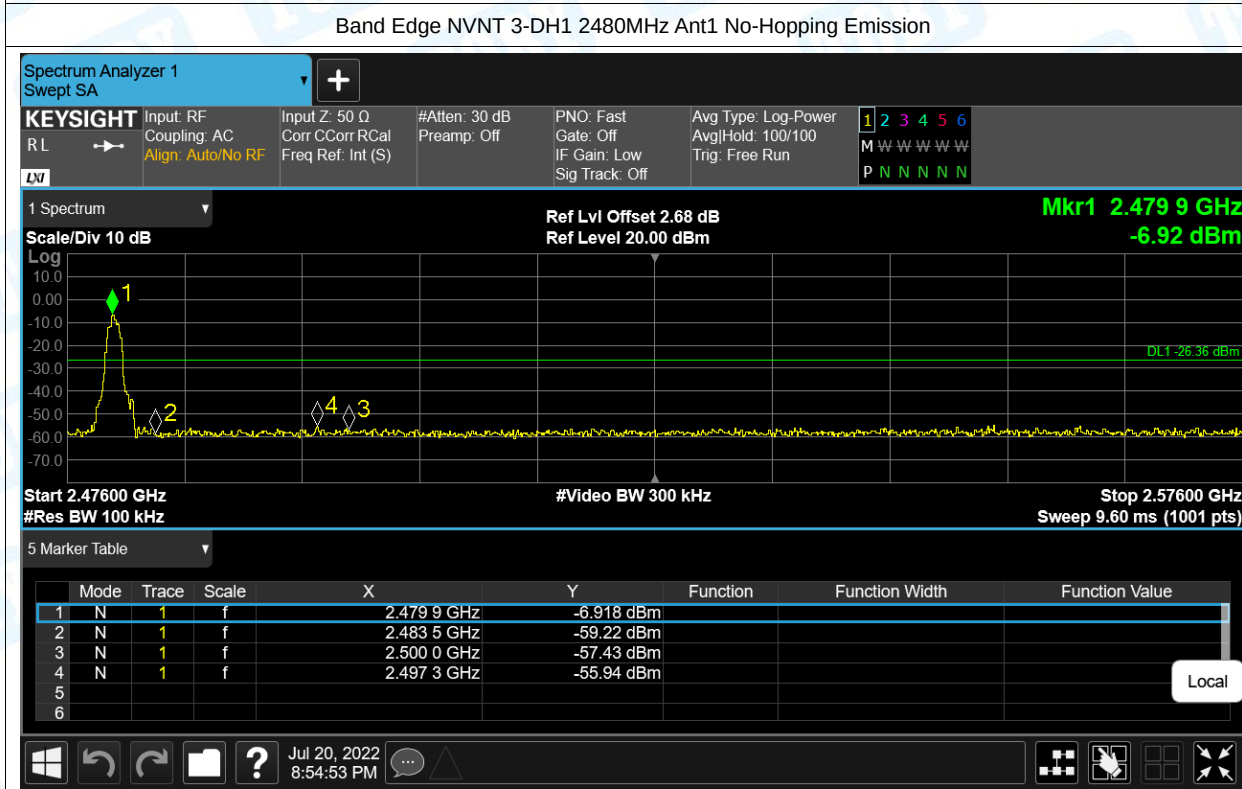
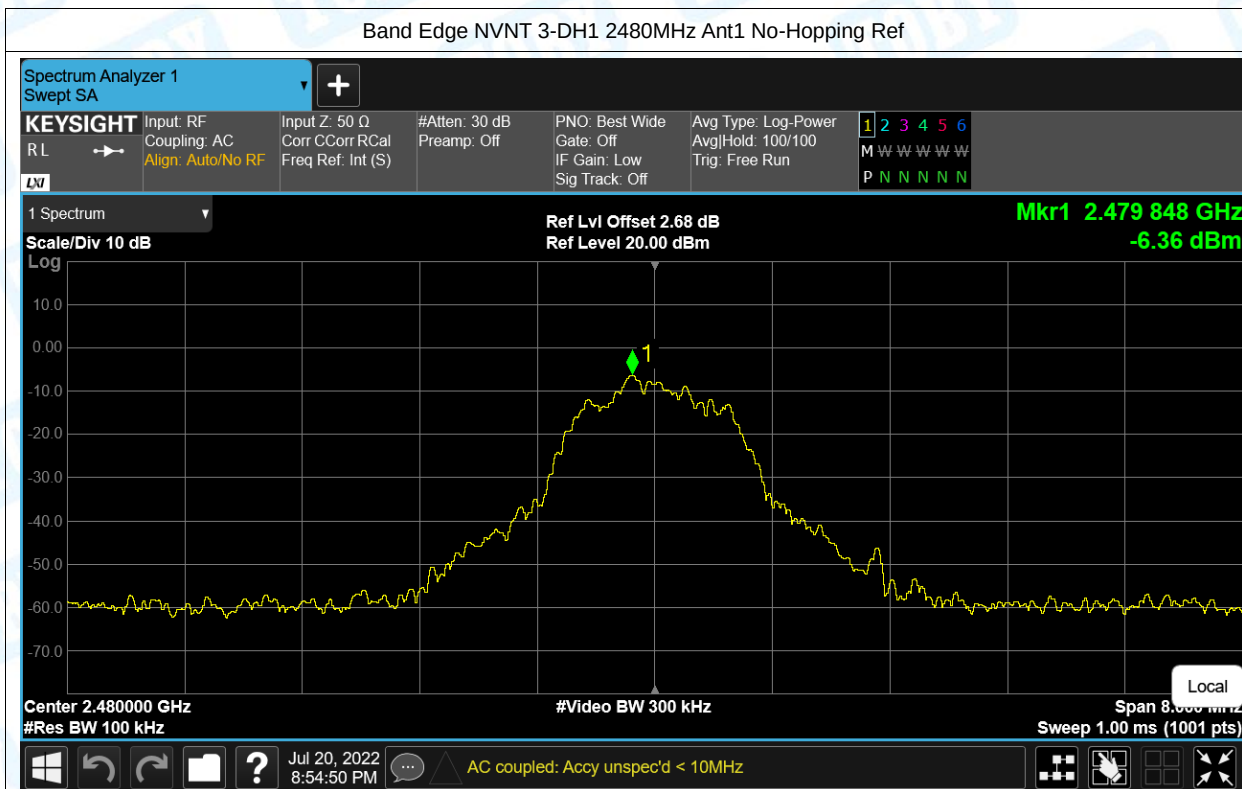












6. Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-49.75	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-48.11	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-49.91	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-48.96	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-49.64	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-49.14	-20	Pass



